U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey: Topographic

Field No.: Ph-83  Office No.: T-9965

LOCALITY

State: Georgia
General locality: Doby Sound
Locality: Sapelo Island

19451-54

CHIEF OF PARTY
P. Taylor, Photogrammetric Party 1.
E.H. Kirsch, Baltimore Photo. Party

LIBRARY & ARCHIVES

DATE: May 26, 1958
DATA RECORD

T - 9965

Project No. (II): Ph-83 Quadrangle Name (IV):

Field Office (II): Brunswick, Georgia Chief of Party: Paul Taylor
Photogrammetric Office (III): Baltimore, Maryland Officer-in-Charge: E.H. Kirsch

Instructions dated (II) (III): 27 December 1951 Copy filed in Division of Photogrammetry (IV) Office Files

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): 1/4/53 Date reported to Nautical Chart Branch (IV): DEC - 4 1953

Applied to Chart No. Date: Date registered (IV): 27 Nov 1957

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927 Vertical Datum (III): MSL

Mean sea level except as follows:
Elevations shown as (2) refer to mean high water
Elevations shown as (2) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): MARY, 1933

Lat.: 31°26'40.900" (1259.6m) Long: 81°18'12.351" (326.1m) Adjusted

Plane Coordinates (IV):

State: Georgia Zone: East

X= Y=

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.
Leo F. Beugnet,
Cartographic Survey Aid

Areas contoured by various personnel
(Show name within area)

(ii) (iii)
DATA RECORD

Field Inspection by (II): Leo F. Beugnet, Cartographic Survey Aid  
Date: June-September, 1952

Planetable contouring by (II): Leo F. Beugnet, Cartographic Survey Aid  
Date: June-September, 1952

Completion Surveys by (II): James E. Hundley  
Date: Nov. 1954

Mean High Water Location (III) (State date and method of location): April, 1951  
Corrected to 1954 by Field Edit

Projection and Grids ruled by (IV): J. Allen  
Date: 2 July 1952

Projection and Grids checked by (IV): H.R. Cravat  
Date: 3 July 1952

Control plotted by (III): A. Queen  
Date: 17 October 1952

Control checked by (III): R. Hartley  
Date: 22 October 1952

Radial Plot compiled by (III): H.R. Rudolph  
Date: 1 September 1953

Stereoscopic Instrument compilation (III): Planimetry

Contours

Manuscript delineated by (III): J.Y. Councill  
Date: 5 October 1953

Photogrammetric Office Review by (III): R. Glaser  
Date: 27 October 1953

Elevations on Manuscript  
checked by (II) (III): R. Glaser  
Date: 27 October 1953
PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>51-0-3400 to 3406</td>
<td>4-1-51</td>
<td>1507</td>
<td>1:10,000</td>
<td>5.2 (5.6 ocean)</td>
</tr>
<tr>
<td>3426 to 3428</td>
<td>&quot;</td>
<td>1519</td>
<td>&quot;</td>
<td>5.8</td>
</tr>
<tr>
<td>3429 to 3432</td>
<td>&quot;</td>
<td>1521</td>
<td>&quot;</td>
<td>5.3</td>
</tr>
<tr>
<td>3433 to 3434</td>
<td>&quot;</td>
<td>1542</td>
<td>&quot;</td>
<td>6.0</td>
</tr>
<tr>
<td>3435 to 3439</td>
<td>&quot;</td>
<td>1543</td>
<td>&quot;</td>
<td>5.6</td>
</tr>
<tr>
<td>4276 to 4280</td>
<td>4-11-51</td>
<td>0924</td>
<td>&quot;</td>
<td>3.9</td>
</tr>
<tr>
<td>34836 to 34839</td>
<td>&quot;</td>
<td>1053</td>
<td>&quot;</td>
<td>2.3</td>
</tr>
<tr>
<td>GS-NU 2-110 &amp; 2-111</td>
<td>3-25-51</td>
<td>1026</td>
<td>&quot;</td>
<td>5.5 ocean</td>
</tr>
<tr>
<td>52-0-1793</td>
<td>10-12-52</td>
<td>1026</td>
<td>&quot;</td>
<td>2.3</td>
</tr>
</tbody>
</table>

Reference Station: Savannah River Entrance
Subordinate Station: Sapelo Island
Subordinate Station: Hudson Creek Entrance

Tide (III)

<table>
<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.9</td>
<td>8.1</td>
<td></td>
</tr>
<tr>
<td>1.0</td>
<td>6.8</td>
<td>8.0</td>
</tr>
<tr>
<td>1.0</td>
<td>7.1</td>
<td>8.4</td>
</tr>
</tbody>
</table>

Washington Office Review by (IV): 
Final Drafting by (IV): 
Drafting verified for reproduction by (IV): 
Proof Edit by (IV): 

Land Area (Sq. Statute Miles) (III): 48 sq. mi.
Shoreline (More than 200 meters to opposite shore) (III): 70 mi.
Shoreline (Less than 200 meters to opposite shore) (III): 87 mi.
Control Leveling - Miles (II): 33
Number of Triangulation Stations searched for (II): 37
Recovered: 15
Identified: 12
Number of BMs searched for (II): (Tidal) 13
Recovered: 11
Identified: 3
Number of Recoverable Photo Stations established (III): 3
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
In addition to the photographs listed above, the following U.S.G.S.
photos dated 3-31-51 were used to delineate low water and shoal lines:

GS-NU4-184
GS-NU4-185
GS-NU4-186
GS-NU4-187

These photos were taken at, or very near low water.
TOPOGRAPHIC MAPPING PROJECT PH-83
GEORGIA, St. Catherines Sound to St. Simons Sound
(Refer to Air-Photo Index 127-C)

OFFICIAL MILEAGE FOR COST ACCOUNTS

<table>
<thead>
<tr>
<th>Sheet No.</th>
<th>Lin. Miles</th>
<th>Sq. Miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-9949</td>
<td>66</td>
<td>42</td>
</tr>
<tr>
<td>T-9950</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>T-9951</td>
<td>42</td>
<td>29</td>
</tr>
<tr>
<td>T-9952</td>
<td>12</td>
<td>11</td>
</tr>
<tr>
<td>T-9955</td>
<td>50</td>
<td>55</td>
</tr>
<tr>
<td>T-9956</td>
<td>28</td>
<td>19</td>
</tr>
<tr>
<td>T-9959</td>
<td>60</td>
<td>28</td>
</tr>
<tr>
<td>T-9960</td>
<td>10</td>
<td>63</td>
</tr>
<tr>
<td>T-9961</td>
<td>34</td>
<td>61</td>
</tr>
<tr>
<td>T-9962</td>
<td>10</td>
<td>63</td>
</tr>
<tr>
<td>T-9963</td>
<td>36</td>
<td>60</td>
</tr>
<tr>
<td>T-9964</td>
<td>14</td>
<td>63</td>
</tr>
<tr>
<td>T-9965</td>
<td>75</td>
<td>54</td>
</tr>
<tr>
<td>T-9966</td>
<td>55</td>
<td>59</td>
</tr>
<tr>
<td>T-9967</td>
<td>60</td>
<td>42</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>574</strong></td>
<td><strong>650</strong></td>
</tr>
</tbody>
</table>

Compilations in two parts each (North and South) at scale 1:10,000. T-9950 North part only.

DATE OF PHOTOGRAPHS:
Nine-lens photographs, scale 1:10,000 taken February 1952
Nine-lens photographs, scale 1:20,000 taken April 1951
Single-lens photographs, scale 1:24,000 taken April 1951
Single-lens photographs, scale 1:32,800 (U.S.G.S.) taken March 1951
2. AREAL FIELD INSPECTION

The salient features are Doboy Sound, the southern part of Sapelo Island, a part of the mainland and the large expanse of marsh between the mainland and Sapelo Island.

Sapelo Island is, for the greater part, privately owned. The cleared areas are pasturals for horses and cattle except for small garden spots near the houses. The wooded area is covered by a growth of pine and oak with an undergrowth of palmetto, with the exception of a few small swamps near the heads of the drains. Except for the sand dunes near the ocean the land is relatively flat and slopes gently toward the water and/or marsh on either side.

The diked off area near the south end of the island is being reclaimed for farming in the future.

The small portion of the mainland is for the most part pine woodland with swamps along small streams extending back from the marsh. Valona, a small fishing village, is situated there.

It is believed that the field inspection is complete and the features adequately labeled and delineated where necessary.

2. HORIZONTAL CONTROL

All horizontal control stations within the limits of the quadrangle were searched for and reported on Form 526.

A total of 12 stations were identified on the photographs for use in the control of the radial plot.

U.S.C. & G.S. Stations reported destroyed on Form 526 are as follows:

CANE CREEK TANK, 1901
CREIGHTON NARROWS REAR RANGE BEACON, 1933
" " FRONT " " "
DOBBOY ISLAND STACK, 1901
DUPLIN RIVER LIGHT, 1933
MAL, 1919
MUD RIVER REAR RANGE #6, 1933
" " " FRONT " " "
" " " " BEACON 5, 1933
" " " REAR " " "
NEW TEAKETTLE CREEK BEACON 5, 1933
" " " " " 1, 1932
" " " " " 2, "
" " " " " 3, "
NORTH, 1919
NORTH RIVER BEACON 2, 1933
OLD TEAKETTLE CREEK REAR RANGE BEACON, 1933
" " " FRONT " " "
ROCKDEUNDY RIVER BEACON 1, 1933
" " " FRONT RANGE BEACON, 1933

4. VERTICAL CONTROL

The only bench marks within the limits of the quadrangle are tidal.

To establish a base for planitable contouring on the mainland, a fly level line was run, along Georgia State Highway No. 99, beginning and ending on fly level points previously established in Quadrangles T-9962 and T-9964.

On Sapelo Island a fly level line was run from Tidal Bench Mark 2 (1912) Sapelo Island (Old Lighthouse) Doboy Sound located on the south end of the island, northward along the roads on the west side of the island, to the north end and then south along the roads on the east side back to the point of beginning. Fly levels were then run across the island (on roads) between the points established along this line.

All elevations on Sapelo Island, Little Sapelo Island and Gabretta Island are based on these levels and the above-mentioned Tidal Bench Marks.

No large closures were encountered in running levels, the largest being 0.27 foot, and this was not adjusted.

The first and last points are numbered 65-01 and 65-64.

Elevations and contours on the small islands are based on predicted tides by means of a tide curve. This method was used only during calm, normal weather and was checked against the actual time of low water whenever practicable.
5. CONTOURS AND DRAINAGE

Contouring was accomplished by standard planetable methods plus the aid of the stereoscope directly on the 1:10,000 scale photographs.

It will be noted on photograph 51-0-3428 that a low area extending northward from a marsh inlet has been so drained, by a canal and sluice gate, that although only 2-foot elevations are to be found in places, the area is not swampy but supports a growth of pine trees.

Practically all of the drainage on Sapelo Island is through man-made ditches and canals. The eastern part draining into the tidewater creek between Sapelo and Little Sapelo Islands and the western part into Duplin River. On Little Sapelo the drainage is mostly by seepage into the sand beaches.

6. WOODLAND COVER

The woodland cover has been classified in accordance with Paragraph 5433 of the Topographic Manual, Part II, and it is believed that a sufficient number of classifications have been noted on the photographs so that the compiler shall have no difficulty in distinguishing the different types of woodland cover.

7. SHORELINE AND ALONGSHORE FEATURES

The greater part of the shoreline is apparent, especially in the marsh areas. Some small islands on the shore of Darien River, near Doby Sound, have fast shorelines. These islands were built up by the placement of ballast from old sailing vessels.

The mean high-water line was located in some areas by visual inspection from a small boat run close to shore. On the beach along the ocean shore it was located by measurements from cultural or natural features or by planetable.

The mean low-water line was located in the same manner as above with the exception that around inlets where constant changes are taking place an approximate low water line has been shown.

The foreshore is mud and sand, and has been classified on the photographs. Bluffs are depicted by contours. All docks, wharves, and piers have been labeled on the photographs.
Two submarine cables, one across Doboy Sound and the other across North River, have been located on Photographs Nos. 3427A, 3428, and 4280.

A telephone line on the north side of North River through the marsh area has been located by visual inspection and labeled (approximate position) on the photographs. The cost of accurately locating this line is prohibitive.

8. OFFSHORE FEATURES

No offshore features were noted during the course of field work.

9. LANDMARKS AND AIDS

Two landmarks for charting, one of which is also an aeronautical aid, have been recommended on Form 567.

All fixed aids to navigation have been located in accordance with project instructions and are reported on Form 567.

10. BOUNDARIES, MONUMENTS AND LINES

This is the subject of a special report submitted by Mr. Richard L. McGlinchey, Cartographic Survey Aide. **(Filed under project data in Photogrammetry Div.)**

11. OTHER CONTROL

Three topographic stations were located within the quadrangle. They are: PILE, 1952; TBM 3 (1934) HEAD OF MUD RIVER, SAPELO SOUND, 1952; and TBM 3 (1934) HUDSON CREEK ENTRANCE, DOBOY SOUND, 1952.

12. OTHER INTERIOR FEATURES

The mainland in the northwest part of the quadrangle is adequately served by Georgia State Road No. 99. Sapelo Island is served by a system of single-lane, hard surface and dirt roads although the island is accessible only by boat.
All roads and buildings have been classified in accordance with the Topographic Manual, Part II.

Attention is called to a sod field on the southwesterly shore of Sapelo Island. This field is used for the occasional landing of light planes.

13. Geographic Names

This was the subject of a special report submitted by Mr. Richard L. McGlinchey, Cartographic Survey Aid. (Filed in Geographic Branch, Charts Div.)

31 December 1952
Submitted by: CPR

Leo F. Beugnet
Cartographic Survey Aid

22 January 1953
Approved by:

Paul Taylor V.
Lt. Comdr., USCGS
Chief of Photo. Party #1
<table>
<thead>
<tr>
<th>STATION</th>
<th>LATITUDE (°)</th>
<th>LONGITUDE (°)</th>
<th>DISTANCE FROM GRID OR PROJECTION LINE (in ft or m)</th>
<th>SCALE FACTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW CREIGHTON</td>
<td>31 29 21.220</td>
<td>81 19 21.980</td>
<td>1226.3</td>
<td>(621.6)</td>
</tr>
<tr>
<td>(USGS) 1933</td>
<td>31 29 09.105</td>
<td>81 18 24.395</td>
<td>1168.1</td>
<td>(415.6)</td>
</tr>
<tr>
<td>N.A. 1927, DATUM</td>
<td>31 28 28.514</td>
<td>81 16 59.895</td>
<td>324.1</td>
<td>(1298.2)</td>
</tr>
<tr>
<td>G 1804, Pk. 93</td>
<td>31 28 59.461</td>
<td>81 18 12.351</td>
<td>1506.9</td>
<td>(350.6)</td>
</tr>
<tr>
<td>G 1786, Pk. 74</td>
<td>31 28 49.002</td>
<td>81 19 46.212</td>
<td>318.0</td>
<td>(1529.9)</td>
</tr>
<tr>
<td>ATWOOD, 1933</td>
<td>31 28 28.514</td>
<td>81 16 59.895</td>
<td>324.1</td>
<td>(1298.2)</td>
</tr>
<tr>
<td>MARSH, 1958</td>
<td>31 28 28.514</td>
<td>81 16 59.895</td>
<td>324.1</td>
<td>(1298.2)</td>
</tr>
<tr>
<td>COOK, 1858</td>
<td>31 28 28.514</td>
<td>81 16 59.895</td>
<td>324.1</td>
<td>(1298.2)</td>
</tr>
<tr>
<td>MARY, 1927</td>
<td>31 28 28.514</td>
<td>81 16 59.895</td>
<td>324.1</td>
<td>(1298.2)</td>
</tr>
<tr>
<td>FOX, 2, 1933</td>
<td>31 28 28.514</td>
<td>81 16 59.895</td>
<td>324.1</td>
<td>(1298.2)</td>
</tr>
<tr>
<td>STATION</td>
<td>SOURCE OF INFORMATION (INDEX)</td>
<td>DATUM</td>
<td>LATITUDE OR y-COORDINATE</td>
<td>LONGITUDE OR x-COORDINATE</td>
</tr>
<tr>
<td>---------</td>
<td>-------------------------------</td>
<td>-------</td>
<td>--------------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>Aikens 2, 1933</td>
<td>G 1804 Pg. 94, 1927</td>
<td>N.A.</td>
<td>31 24</td>
<td>17,797</td>
</tr>
<tr>
<td>Sub Ft</td>
<td>Aikens 2, 1933</td>
<td>&quot;</td>
<td>31 24</td>
<td></td>
</tr>
<tr>
<td>Sub Ft</td>
<td>Doboy, 1933</td>
<td>&quot;</td>
<td>31 23</td>
<td></td>
</tr>
<tr>
<td>Doboy, 1933</td>
<td>G 1804 Pg. 94</td>
<td>&quot;</td>
<td>31 23</td>
<td>54.700</td>
</tr>
<tr>
<td>Doboy Island</td>
<td>S.CH. of W. Ho, 1933</td>
<td>&quot;</td>
<td>31 23</td>
<td>51.055</td>
</tr>
<tr>
<td>Doboy I. N. CH. of E. Ho, 1933</td>
<td>&quot;</td>
<td>&quot;</td>
<td>31 23</td>
<td>49.030</td>
</tr>
<tr>
<td>Signal Tree, 1901</td>
<td>G 1903 Pg. 133</td>
<td>&quot;</td>
<td>31 23</td>
<td>29.048</td>
</tr>
<tr>
<td>Signal, 1866</td>
<td>&quot;</td>
<td>&quot;</td>
<td>31 23</td>
<td>21.265</td>
</tr>
<tr>
<td>Com, USE, 1939</td>
<td>USE 075-009</td>
<td>&quot;</td>
<td>31 23</td>
<td>40.086</td>
</tr>
<tr>
<td>Rig, 1919</td>
<td>G 2162 Pg. 154</td>
<td>&quot;</td>
<td>31 22</td>
<td>34.002</td>
</tr>
<tr>
<td>Sapele Island Light, 1932</td>
<td>G 1892 Pg. 39</td>
<td>&quot;</td>
<td>31 23</td>
<td>32.721</td>
</tr>
<tr>
<td>Sapele Island Lt. Ho. (O12)</td>
<td>G 1903 Pg. 132</td>
<td>&quot;</td>
<td>31 23</td>
<td>27.724</td>
</tr>
</tbody>
</table>

1 ft. = 30.48006 meter

Computation by J. Steinberg | Date 11 August, 1952 | Checked by H.R. Rudolph | Date 11 Sept. 1952
<table>
<thead>
<tr>
<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>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LITTLE SAPELO, 1933</td>
<td>G 1804 Pg. 93</td>
<td>N.A. 1927</td>
<td>31 25</td>
<td>19.535</td>
<td>1358.8 (489.1)</td>
<td>515.9 (1068.7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPALDING, 1859</td>
<td>&quot;</td>
<td>1927</td>
<td>31 24</td>
<td>19.473</td>
<td>599.7 (1248.2)</td>
<td>877.8 (707.2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAPELO I. COFFINS</td>
<td>&quot;</td>
<td>Pg. 94</td>
<td>31 25</td>
<td>33.230</td>
<td>115.2 (1732.7)</td>
<td>1228.3 (356.5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOCK, center of shelter, 1933</td>
<td>&quot;</td>
<td>Pg. 103</td>
<td>31 25</td>
<td>46.503</td>
<td>965.9 (882.0)</td>
<td>1229.7 (354.9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sub Pt</td>
<td>&quot;</td>
<td></td>
<td>31 25</td>
<td>81 21</td>
<td>1442.8 (405.1)</td>
<td>439.6 (1145.0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FOX 2, 1933</td>
<td>&quot;</td>
<td></td>
<td>31 25</td>
<td>81 18</td>
<td>628.8 (1219.1)</td>
<td>863.8 (721.2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LITTLE SAPELO 1933</td>
<td>&quot;</td>
<td></td>
<td>31 25</td>
<td>81 18</td>
<td>1442.8 (405.1)</td>
<td>439.6 (1145.0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sub Pt</td>
<td>&quot;</td>
<td></td>
<td>31 24</td>
<td>81 17</td>
<td>628.8 (1219.1)</td>
<td>863.8 (721.2)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The photogrammetric plot report for this survey is part of the descriptive report for survey T-9967.

31. **DELINEATION**

This manuscript was delineated by graphic methods.

32. **CONTROL**

The density and placement of horizontal control was adequate.

33. **SUPPLEMENTAL DATA**

Geographic names standard dated 11-26-52, furnished on a copy of Corps of Engineers, Darien, Georgia quadrangle.

34. **CONTOURS AND DRAINAGE**

No comment.

35. **SHORELINE AND ALONGSHORE DETAILS**

The shoreline inspection was adequate. In a few places along Cedar, Shellbluff, and Atwood Creeks, short sections of MLWL had to be delineated from office interpretation.

The MLWL was delineated in accordance with field inspection. It was furnished only along the ocean shoreline.

Additional low water lines and shoal lines were delineated using supplemental Geological Survey photographs. (See Data Record)

36. **OFFSHORE DETAILS**

No comment.

37. **LANDMARKS AND AIDS**

Forms 567 are being submitted with this report for thirty-four non-floating aids to navigation, two landmarks and one aeronautical aid.

All the non-floating aids to navigation were located by theodolite cuts furnished by the field party. In some cases the cuts resulted in poor intersections and the radially plotted locations of the aids that could be identified on the photographs were used. See § 57
38. **CONTROL FOR FUTURE SURVEYS**

Forms 524 are being submitted for three recoverable topographic stations listed in par. 49.

39. **JUNCTIONS**

Junctions are in agreement. They have been made as follows:

- North T-9963
- South T-9967
- East T-9952
- West T-9964

40. **HORIZONTAL AND VERTICAL ACCURACY**

No comment.

41. thru 45.

Not applicable.

46. **COMPARISON WITH EXISTING MAPS**

T-5121 (1933) scale 1:20,000
T-5220 (1933) scale 1:10,000

47. **COMPARISON WITH NAUTICAL CHARTS**

Chart No. 574, scale 1:40,000, published 1938 corrected to 8-4-52.

See §62 & §63

See §65

Items to be applied to nautical charts immediately:

None.
Items to be carried forward:

None.

Respectfully submitted
6 October 1953

Judson Y. Councill
Carto. Photo. Aid

Approved and Forwarded

E. H. Kirsch
Officer in Charge
Baltimore Photo. Office
48. GEOGRAPHIC NAMES

Ashley Creek
Atlantic Ocean
Atwood Creek
Back River
Barn Creek
Branch Creek
Buzzard Roost Creek
Cabretta Island
Carnigan River
Catfish Creek
Cedar Creek
Cedar Point
Commodore Island
Creighton Narrows
Creighton Island
Crescent River
Darien River
Dark Creek
Dead River
Dean Creek
Doboy Island
Doboy Sound
Duplin River
Eagle Creek
*Elm Grove Church

Fishing Hammock
Folly River
Fox Creek

GA 99 (highway)

Hird Island
Hird Island Creek
Hog Hammock
Hudson Creek

Intracoastal Waterway

Jack Hammock
Little Sapelo Island

Marsh Creek
Marsh Landing
Mary Creek
Mary Hammock
McIntosh County
Mud River

New Teakettle Creek
North River

Old Darien River
Old Teakettle Creek

Patterson Island
Pease Point
Postoffice Creek
Pumpkin Hammock

Rock Island
Rockedundy River

Sapelo I. Post Office **
Sapelo
Sapelo Island
Shellbluff Creek
Shoal Creek
South End Creek

Valona

* from field inspection photos.

Names approved
8-25-54
A & L.

** Removed by Field Editor.

New P.O. is now at SAPelo.
NOTES FOR THE HYDROGRAPHER

There are no photo hydro stations.

The following are the three recoverable topographic stations located on this survey:
POLE, 1952
TRM 3 (1934) 1952 (Creighton Narrows)
TRM 3 (1934) 1952 (Hudson Creek)

The positions of the following fixed aids to navigation require verification:
CREIGHTON NARROWS DAYBEACON 155
only two weak cuts were available
OLD TEAKETTLE CREEK DAYBEACON 160
only three weak cuts were available
OLD TEAKETTLE CREEK DAYBEACON 161
only three weak cuts were available
PHOTOGRAMMETRIC OFFICE REVIEW

T. 996 S

1. Projection and grids  
2. Title  
3. Manuscript numbers  
4. Manuscript size  

CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy  
6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)  
7. Photo hydro stations  
8. Bench marks  
9. Plotting of sextant fixes  
10. Photogrammetric plot report  
11. Detail points  

ALONGSHORE AREAS
(Nautical Chart Data)
12. Shoreline  
13. Low-water line  
14. Reefs, shoals, etc.  
15. Bridges  
16. Aids to navigation  
17. Landmarks  
18. Other alongshore physical features  
19. Other alongshore cultural features  

PHYSICAL FEATURES
20. Water features  
21. Natural ground cover  
22. Planetary contours  
23. Stereoscopic instrument contours  
24. Contours in general  
25. Spot elevations  
26. Other physical features  

CULTURAL FEATURES
27. Roads  
28. Buildings  
29. Railroads  
30. Other cultural features  

BOUNDARIES
31. Boundary lines  
32. Public land lines  

MISCELLANEOUS
33. Geographic names  
34. Junctions  
35. Legibility of the manuscript  
36. Discrepancy overlay  
37. Descriptive Report  
38. Field inspection photographs  
39. Forms  
40.  

Reviewer: 
Supervisor, Review Section of Unit: 

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: 
Supervisor: 

43. Remarks:
I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on (stricken from) the charts indicated.

The positions given have been checked after listing by Joseph W. Vonaack.

<table>
<thead>
<tr>
<th>STATE</th>
<th>Georgia</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>Description</td>
</tr>
<tr>
<td></td>
<td>Jacksonville/Richmond Airway</td>
</tr>
<tr>
<td></td>
<td>Beacon No. 7</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by

R. Glaser

<table>
<thead>
<tr>
<th>State</th>
<th>Georgia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charting Name</td>
<td>Description</td>
</tr>
<tr>
<td>Daybeacon</td>
<td>Greighton Narrows Daybeacon</td>
</tr>
<tr>
<td>Light</td>
<td>Light</td>
</tr>
<tr>
<td>Daybeacon</td>
<td>Daybeacon</td>
</tr>
<tr>
<td>Light</td>
<td>Light</td>
</tr>
<tr>
<td>Front</td>
<td>Old Teakettle Creek Range Front</td>
</tr>
<tr>
<td>Light</td>
<td>Light</td>
</tr>
<tr>
<td>Daybeacon</td>
<td>Old Teakettle Creek Daybeacon</td>
</tr>
<tr>
<td>Light</td>
<td>Light</td>
</tr>
<tr>
<td>Daybeacon</td>
<td>Daybeacon</td>
</tr>
<tr>
<td>Daybeacon</td>
<td>Daybeacon</td>
</tr>
<tr>
<td>Daybeacon</td>
<td>Old Teakettle Creek Range Rear</td>
</tr>
<tr>
<td>Light</td>
<td>Light</td>
</tr>
<tr>
<td>Daybeacon</td>
<td>Daybeacon</td>
</tr>
<tr>
<td>Front</td>
<td>Front Daybeacon</td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids. 
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by

R. Glaser

<table>
<thead>
<tr>
<th>STATE</th>
<th>GEORGIA</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>READER CHART</th>
<th>INKDRUM CHART</th>
<th>OFFPRINT CHART</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>REAR RANGE</td>
<td>Old Teakettle Creek Range Rear Daybeacon</td>
<td>✓</td>
<td>31 27</td>
<td>17.21</td>
<td>14.47</td>
<td>N. A. Theod. T-9765</td>
<td>1952</td>
<td>XX</td>
<td></td>
<td>X X</td>
<td>574</td>
</tr>
<tr>
<td>DEMARKING</td>
<td>Old Teakettle Creek Daybeacon</td>
<td>✓</td>
<td>31 27</td>
<td>16.23</td>
<td>6.89</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DAYBEACON</td>
<td>Old Teakettle Creek Daybeacon</td>
<td>✓</td>
<td>31 27</td>
<td>16.23</td>
<td>6.89</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGHT 169</td>
<td>Light</td>
<td>✓</td>
<td>31 27</td>
<td>27.44</td>
<td>15.08</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGHT 170</td>
<td>Light</td>
<td>✓</td>
<td>31 26</td>
<td>31.59</td>
<td>11.66</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGHT 171</td>
<td>Old Teakettle Creek Light</td>
<td>✓</td>
<td>31 25</td>
<td>33.41</td>
<td>40.78</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGHT 15</td>
<td>Duplin River Light</td>
<td>✓</td>
<td>31 24</td>
<td>45.88</td>
<td>14.16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FRONT RANGE 178A</td>
<td>North River Range Front Light</td>
<td>✓</td>
<td>31 24</td>
<td>9.45</td>
<td>11.38</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REAR RANGE 178A</td>
<td>Old Teakettle Creek Rear Daybeacon</td>
<td>✓</td>
<td>31 24</td>
<td>6.10</td>
<td>16.09</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGHT 180</td>
<td>Doboy Island Light</td>
<td>✓</td>
<td>31 24</td>
<td>10.90</td>
<td>45.45</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DAYBEACON</td>
<td>Cold Teakettle Creek Daybeacon</td>
<td>✓</td>
<td>31 23</td>
<td>13.76</td>
<td>12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGHT 182</td>
<td>Cold Teakettle Creek Light</td>
<td>✓</td>
<td>31 23</td>
<td>9.63</td>
<td>11.14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: The data is intended for navigational use and should be verified with appropriate charts and navigational aids.
I recommend that the following objects which have (been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by

R. Glaeser

<table>
<thead>
<tr>
<th>STATE</th>
<th>GEORGIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>FRONT</td>
<td>Doboy Island Cut Range Front</td>
</tr>
<tr>
<td>RANGE 181A</td>
<td>Daybeacon</td>
</tr>
<tr>
<td>REAR</td>
<td>Doboy Island Cut Range Rear</td>
</tr>
<tr>
<td>RANGE 181A</td>
<td>Daybeacon</td>
</tr>
<tr>
<td>LIGHT 183</td>
<td>Rockededy River Light</td>
</tr>
<tr>
<td>DAYBEACON 184</td>
<td>Daybeacon</td>
</tr>
<tr>
<td>FRONT</td>
<td>Range</td>
</tr>
<tr>
<td>RANGE 186</td>
<td>Front Daybeacon</td>
</tr>
<tr>
<td>REAR</td>
<td>Range</td>
</tr>
<tr>
<td>RANGE 186</td>
<td>Rear Daybeacon</td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with "Nautical Charting" Manual pages 800 to 804. Positions of charted landmarks and nonfloating
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by

R. Glaser

<table>
<thead>
<tr>
<th>STATE</th>
<th>GEORGIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>AERO</td>
<td>Jacksonville/Richmond Airway</td>
</tr>
<tr>
<td></td>
<td>Beacon No. 7 h.t. 81(91) ft.</td>
</tr>
<tr>
<td>OLD TOWER</td>
<td>Abandoned L. h.t. 75(81) ft.</td>
</tr>
<tr>
<td></td>
<td>Sapelo Island Lighthouse (OLD) 1859</td>
</tr>
</tbody>
</table>
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by J. L. Wilson

<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>153</td>
<td>CRESIGON HARROW DAYBEACON 153</td>
<td>31 39</td>
<td>23.25</td>
<td>27.51</td>
<td>H. A.</td>
<td>1927</td>
<td>574</td>
</tr>
<tr>
<td>161</td>
<td>OLD TRANSITRE CREEK DAYBEACON 161</td>
<td>31 28</td>
<td>41.23</td>
<td>35.70</td>
<td></td>
<td></td>
<td>574</td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating
FIELD EDIT REPORT
Project Ph-83
Quadrangle T-9965

51. METHODS

The field edit of this area was accomplished by standard surveying methods in conjunction with visual inspection. Actual field work was completed in September 1954.

Field edit data appears on the field edit sheets, discrepancy prints, field photographs 51-0-3401, 3404, 3405, 3406, 3427A, 3428, 3432, 3485A, 3488, and in this report.

A legend appears on the field edit sheet, S/2, which is self-explanatory.

52. ADEQUACY OF COMPILATION

The map compilation is adequate and will be complete after field edit revisions have been applied.

53. MAP ACCURACY

The horizontal accuracy of the map detail is relatively good.

The accuracy of the contouring and topographic expression, in general, appears to be good.

Minor corrections were made in the contouring as shown on the field edit sheet (N/2) and field photographs 51-0-3405 and 3406.

No vertical accuracy tests were requested and none were made.

See 566

54. RECOMMENDATIONS

None.
55. EXAMINATION OF PROOF COPY

It is believed that Mr. J. E. Britt, County Surveyor of McIntosh County, Darien, Georgia, is best qualified to examine a proof copy of the map of this area.

All questions in regards to geographic names were investigated in the field and answered on the discrepancy prints.

56. SHORELINE AND ALONGSHORE FEATURES

Refer to item 7 - Field Inspection Report.

Corrections in shoreline and alongshore features have been shown on the field edit sheets and field photographs 51-0-3404, 3405, 3406, 3427A, 3428, 3432 and 3488.

The location of three submarine cables and telephone line to Sapelo Island was made by plane table on photographs 51-0-3406, 3428 and 3488.

57. AIDS TO NAVIGATION

Refer to item 49 - Compilation Report.

Plane table cuts were taken to establish the new positions of Creighton Narrows Daybeacon 155, and Old Teakettle Creek Daybeacon 161. The 1952 position of Old Teakettle Creek Daybeacon 160 is good.

Forms 567 are submitted.

58. OTHER INTERIOR FEATURES

Refer to item 12 - Field Inspection Report.

The reclassification of roads, where justifiable, has been shown on the field edit sheets. All roads on Sapelo and Cabretta Islands are private.
The reclassification, addition and deletion of buildings are shown on the field edit sheets.

An additional telephone line, with overhead cable, has been shown on photograph 51-0-3485A.

59. JUNCTIONS

Comparison of detail along the junctions between adjacent contemporary surveys has been made.

NOV 9  1954
Submitted by:

James E. Hundley
Cartographer

NOV 9  1954
Approved & Forwarded:

J. E. Waugh
CDR, USC&GS
Chief of Party
Summary to Accompany Descriptive Report

T-9965

Topographic map T-9965 is one of a series of similar maps in
PROJECT 6033. This project covers the Georgia Coast from
latitude 31° 07' 30" (St. Simons Sound) northerly to latitude
31° 45' (St. Catherine Sound).

This map was compiled by hand plot methods. Field work
prior to compilation included complete field inspection,
supplemental leveling and complete planchette contouring. The
compilation was at scale of 1:10,000. The manuscript is in
2 sheets, each 3.75" in latitude and 7.5" in longitude. The
map was field edited and is to be published by the Geological
Survey at a scale of 1:24,000 as a standard 7.5' topographic
quadrangle. The registered copies under T-9965 will
include 2 one-half quadrangle cloth-mounted prints at scale
1:10,000 designated as T-9965 N and T-9965 S and a
complete 7.5' quadrangle cloth-mounted print in color at
scale 1:24,000. Hydrographic Data furnished by this Bureau,
including depth curves and soundings will be shown on the
color print.

John M. Neal
Reviewer
December 1955
62. **Comparison with Registered Topographic Surveys:**

<table>
<thead>
<tr>
<th>Survey Number</th>
<th>Scale</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>673</td>
<td>1:10,000</td>
<td>1857</td>
</tr>
<tr>
<td>721</td>
<td>1:20,000</td>
<td>1858</td>
</tr>
<tr>
<td>1080</td>
<td>&quot;</td>
<td>1868</td>
</tr>
<tr>
<td>4122</td>
<td>&quot;</td>
<td>1924</td>
</tr>
<tr>
<td>3780</td>
<td>&quot;</td>
<td>1919</td>
</tr>
<tr>
<td>5120</td>
<td>&quot;</td>
<td>1933</td>
</tr>
<tr>
<td>5121</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>5219</td>
<td>1:10,000</td>
<td>&quot;</td>
</tr>
<tr>
<td>5220</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>5221</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>6168</td>
<td>&quot;</td>
<td>1934</td>
</tr>
<tr>
<td>6195 a and b</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>6196 a and b</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

Comparison with the 1933 and 1934 surveys indicates extensive shoreline changes. Some cultural changes are noted on Sapelo Is. and on the mainland. T-9965 supersedes all the above surveys in common areas for nautical charting purposes.

63. **Comparison with Maps of Other Agencies:**

USED DARIEN, 1:62,500, 1921 (Reprint 1937), 15' controlled reconnaissance tactical map.

The NE/4 of the above map is completely obsolete by comparison with T-9965.

64. **Comparison with Contemporary Hydrographic Surveys:**

None.

65. **Comparison with Nautical Charts:**

Chart 574 1:40,000 1938 (53-7/13)

No significant differences noted except as noted in 62 above.

66. **Adequacy of Results and Future Surveys:**

This map complies with all instructions and with the National Standards of Map Accuracy. It is of adequate accuracy for use as a base for hydrographic surveys. Accuracy plane-table contouring was tested concurrently with the surveys by field supervisors.
Reviewed by:

John M. Neal

John M. Neal

APPROVED:

LaLande
Chief, Review Section
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Division

Chief, Coastal Surveys Division
### Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sept 55</td>
<td>840</td>
<td>P. H. A.</td>
<td>Before After Verification and Review</td>
</tr>
<tr>
<td>6-21-62</td>
<td>524</td>
<td>G. B. Johnson</td>
<td>Before After Verification and Review</td>
</tr>
<tr>
<td>6-21-62</td>
<td>524</td>
<td>G. B. Johnson</td>
<td>Before After Verification and Review</td>
</tr>
</tbody>
</table>