### U.S. Coast and Geodetic Survey

#### Department of Commerce

**Descriptive Report**

<table>
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<th>Type of Survey</th>
<th>Topographic</th>
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| Field No. | Ph-83 | Office No. | T9960 |
|-----------|-------|------------|

### Locality

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<table>
<thead>
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<th>General Locality</th>
<th>North Newport River</th>
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<table>
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<th>Locality</th>
<th>Riceboro</th>
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**Chief of Party**

- J.E. Waugh, Chief of Field Party
- E.H. Kirsch, Balto. Photo. Office

### Library & Archives

**Date**

- June 10, 1958
DATA RECORD

T - 9960

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

Field Office (II): Brunswick, Georgia Chief of Party: J. E. Waugh

Photogrammetric Office (III): Officer-In-Charge: E. H. Kirsch

Instructions dated (II) (III): 27 December 1951, Field: Copy filed in Division of
Supplement 1 dated: 12 March 1952 Photogrammetry (IV)
" 5 " : 16 October 1952 Office Files
Office: 25 August 1952

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): Date reported to Nautical Chart Branch (IV):
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 (25) 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): LESTER, 1918

Lat.: 31° 42' 20".427" (629.1 m) Long.: 81° 26' 49.068" (1292.1 m) Adjusted

Plane Coordinates (IV):
State: Zone:

Y= X=

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.
Areas contoured by various personnel
(Show name within area)

(l)(ii)
DATA RECORD

Field Inspection by (II): Leo F. Beugnet, Carto. Surv. Aid  
James A. Clear, Jr., Carto. Surv. Aid  
Martin C. Moody, Carto. Surv. Aid  
Date: Mar., 1953  
Feb.-Apr., 1953  
Jan.-Mar., 1954

Planetary contouring by (II): Leo F. Beugnet, Carto. Surv. Aid  
James A. Clear, Jr., Carto. Surv. Aid  
Martin C. Moody, Carto. Surv. Aid  
Date: Mar., 1953  
Feb.-Apr., 1953  
Jan.-Mar., 1954

Completion Surveys by (II):  
Joseph K. Wilson  
Date: 1955

Mean High Water Location (III) (State date and method of location): 1951 - Date of Photographs

Projection and Grids ruled by (IV): S. Rose  
Projection and Grids checked by (IV): H. R. Cravat  
Control plotted by (III): J. B. Phillips  
Date: 6/30/52  
6/30/52  
10/14/52

Control checked by (III): R. Hartley  
Date: 10/16/52  
11/18/52

Radial Plot: R. Hartley

Stereoscopic Instrument compilation (III):  
Contours  
Date:

Manuscript delineated by (III): R. Tibbetts  
J. J. Schleupner  
J. Honick  
Date: 8/6/54

Photogrammetric Office Review by (III): R. Glaser  
Date: 9/9/54

Elevations on Manuscript checked by (II) (III): R. Glaser  
Date: 9/9/54
Camera (kind or source) (III): U.S.C. & G. single lens "0" camera.

U.S.G.S. 6" focal length camera.

PHOTOGRAPHS (III)

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Tide (III)
(From predicted tide tables)

Reference Station: Savannah River Entrance, Ga.
Subordinate Station: North Newport River
Subordinate Station: Livingston Dock, S. Newport River

Washington Office Review by (IV): John M. Neal

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 63
Shoreline (More than 200 meters to opposite shore) (III): None
Shoreline (Less than 200 meters to opposite shore) (III): 17 mi.
Control Leveling - Miles (II): 26
Number of Triangulation Stations searched for (II): 14
Recovered: 12
Identified: 11
Number of BMs searched for (II):
Number of Recoverable Photo Stations established (III): 3
Number of Temporary Photo Hydro Stations established (III): None
Bench Marks Est. (II): .4

Remarks:

Ratio of Ranges

Mean Range

Spring Range

6.9 8.1
1.1 7.6 8.9
1.0 7.2 8.5

Date: 1955
TOPOGRAPHIC MAPPING PROJECT 24180
GEORGIA, St. Catherines Sound to St. Simons Sound
(Refer to Air-Photo Index 127-C)

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

OFFICIAL MILEAGE FOR COST ACCOUNTS

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TOTALS 574 | 743
FIELD INSPECTION REPORT  
Project H-83  
Quadrangle T-9960  

2. AREAL FIELD INSPECTION  

This quadrangle is very sparsely inhabited, Riceboro being the only village in the area. Little farming is attempted except for pine trees which are planted and considered a ten year crop for the manufacture of paper products. The greater portion of the area is thickly wooded with heavy underbrush among the deciduous trees; therefore the principal industry is logging for lumber and pulpwood.  

The entire area is well served by a pattern of public and private secondary roads. Many dead end roads have been constructed by private companies for transporting logs.  

Three sets of photographs were necessary for coverage: U.S.G. & G.S. single and nine lens, and U.S.G.S. single lens.  

The field inspection is believed to be complete; however the field editor should be alert for new roads being constructed.  

2. HORIZONTAL CONTROL  

A third order traverse, originating at triangulation station NEW 1934 in Quadrangle T-9961 and terminating at triangulation station WAR 1932 in Quadrangle T-9962, was run through the southern part of this quadrangle. Two monumentsed stations were established in this quadrangle: They are HARRY 1952 and HOOPER 1952. A report of this traverse is a part of the Descriptive Report for Quadrangle T-9962.  

Two traverse stations TTAI1 and TTAI3, established by Ryall Engineering Co. for the Army Map Service were identified for use of the photogrammetric plot. The order of accuracy of these stations is unknown.  

All known control was searched for except one station. The exception is triangulation station RICEBORO, 1918. The reference measurements indicate that this station has been covered by the asphalt ramp at the railroad station. Triangulation station RICEBORO EGC 1932 which is located approximately 100 feet distant was identified.
4. VERTICAL CONTROL

All known bench marks were searched for. Those recovered and used are:

<table>
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<th>H 189 first order</th>
<th>U 189 first order</th>
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<tr>
<td>J 189</td>
<td>U 34</td>
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<td>L 189</td>
<td>V 34</td>
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<td>M 189</td>
<td>Y 34</td>
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<td>R 189</td>
<td>T 197</td>
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<td>S 189</td>
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</table>

Three bench marks, K 189, N 189 and P 189 were found practically upended by the construction of a roadside ditch. The disks were removed and new third order bench marks were established between S 189 and U 34. They are: U 198, V 198, W 198 and HARRY 1952.

Supplemental control for plane table contouring was established by running twenty six (26) miles of differential levels along which forty one (41) designated level points were established. They are numbered 6001 to 6041, inclusive.

These lines originated and terminated at bench marks or at checked elevations previously established between bench marks. The largest error of closure was 0.11 foot and no adjustments were made.

5. CONTOURS AND DRAINAGE

The contouring was accomplished by standard plane table methods on 1 X 10,000 scale single lens and nine lens photographs at intervals of five (5) feet.

The terrain is very flat with large swamps, irregular in outline. The highest elevation in the quadrangle is located in the west central part and is thirty three (33) feet above mean-sea-level.

The stereoscope was used extensively along with the field work to outline ridges, locate drainage and shape the contours.

Drainage in the area consists of Payne Creek and North Newport River in the north and South Newport River in the south.
The headwaters of these are large flat swamps with no definite drainage.

Drainage was checked during the field work and revised where necessary.

6. WOODLAND COVER

Woodland cover has been classified in accordance with instructions. Numerous small areas that appear open or cleared on the photographs are actually covered by young pine trees that have of course grown considerably since photography. These areas have been classified. It is believed that sufficient swamp areas have been classified and outlined by a dashed red line to enable the compiler to adequately compile these.

7. SHORELINE AND ALONGSHORE FEATURES

The upper reaches of North Newport River and South Newport River are within the quadrangle. Actually they are no more than tidewater creeks through the marsh. With an apparent high water line except one small area noted on Photograph 51-0-4267.

8. OFFSHORE FEATURES

None.

9. LANDMARKS AND AIDS

None.

10. BOUNDARIES, MONUMENTS AND LINES

This is the subject of a special report submitted by Mr. Richard L. McGlincney, Cartographic Survey Aid, dated 26 November 1952.
11. OTHER CONTROL

RICE AZ. MK., 1932, RICEBORO ECC. AZ. MK., 1932, and TBM 3 S.A.L. R.R. North Newport River were located during field work and reported on Form 524.

12. OTHER INTERIOR FEATURES

All roads and buildings were classified in accordance with the Topographic Manual, Part II.

Several roads which have been constructed since photography were located and classified on the photographs.

All bridges and trestles are fixed with clearances suitable for skiffs only.

At Riceboro the highway bridge overpasses the railroad tracks.

13. GEOGRAPHIC NAMES

This is the subject of a special report submitted by Mr. Richard L. McGlinchey, Cartographic Survey Aid, dated 5 October 1952.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

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<td>16 September 1952</td>
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<td>Baltimore, Md.</td>
<td>18 November 1952</td>
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<td>2 February 1953</td>
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16 April 1954

Submitted by:

George E. Varnadoe
Photogrammetric Engineer
Chief Civilian Assistant

16 April 1954

Approved and Forwarded by:

J. E. Waugh
Chief of Party
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1. T. R. Leach
2. Surveyed 1952 R. R. Rudolph
3. Checked by G. B. Torbert
4. Date 30 Sept. 1952
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<td>1231.4</td>
<td>616.6</td>
<td>1221.7</td>
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<td>1179.1</td>
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<td></td>
<td>723.822.96</td>
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1 FT. = 0.3048006 METER
COMPUTED BY: H. R. Rudolph
DATE: 25 Sept. 1952
CHECKED BY: G. B. Torbert
DATE: 30 Sept. 1952
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<th>SOURCE OF INFORMATION</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>
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<td>RICE AZ. MK (1932) 1952</td>
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<td>81 22</td>
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<td>1506.8 (71.9)</td>
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</table>
The Photogrammetric Plot Report is part of the Descriptive Report of Survey T-9961.

31. Delineation

Graphic methods were used to delineate this manuscript.

This manuscript is the first to be completed by the "scribing" method in the Baltimore Photogrammetric office. The compilation was first completely delineated on the regular vinylite sheets using only colored pencils. All delineation was then traced by "scribing" onto blank white-coated Mylar sheets using a light table. Projections and grids were also transferred by the same process.

An examination of the field inspection work in this survey has been made by the Washington office prior to compilation and a report on omissions and inadequacies has been made to the Chief of the Division. These omissions and inadequacies, mostly of a minor nature, have either been resolved during the compilation process or have been referred to field edit for completion.

In addition to the inadequacies already reported, the field inspection of swamp and marsh involving abandoned rice fields was not consistent. Some sections of these abandoned rice fields were partially grown over but still appeared well defined on the photographs and could be considered landmark features in this uncongested area. No field notes were made to indicate that the inconsistencies were recognized and that the classifications were the result of actual changes since photography. Lacking conclusive information, the field inspection was followed and the apparent inconsistencies are reflected on the scribed advance manuscript.

32. Control

The identification, density and placement of horizontal control was adequate. Refer to Photogrammetric Plot Report, Item 23.

33. Supplemental Data

Army Map Service, Sapelo River, Ga., quadrangle, scale 1:50,000 dated 1948, Final Name Sheet for Geographic Names.


Map of Liberty County - Map G.

Map of McIntosh County - Map I.

34. Contours and Drainage

No comment.

35. Shoreline and Alongshore Details

No comment.
36. **OFFSHORE DETAILS**

   No comment.

37. **LANDMARKS AND AIDS**

   There are no landmarks or aids in the area of this manuscript.

38. **CONTROL FOR FUTURE SURVEYS**

   Forms 524 for two recoverable topographic stations are submitted with this report, and listed under item No. 49.

39. **JUNCTIONS**

   Junctions have been made and are in agreement with surveys T-9961 to the east, and T-9962 to the south.

   There are no contemporary surveys to the north and west.

40. **HORIZONTAL AND VERTICAL ACCURACY**

   Refer to the Radial Plot Report.  

41. - 45. Inapplicable.

46. **COMPARISON WITH EXISTING MAPS**

   Comparison has been made with Surveys T-5118 (1933) and T-5119 (1933), scale 1:20,000 and A.M.S. quadrangle, Sapelo River, Ga., scale 1:50,000 dated 1948.

47. **COMPARISON WITH NAUTICAL CHARTS**

   No existing large scale chart of this area.

   Items to be applied to charts immediately:
   None.

   Items to be carried forward:
   None.

---

Approved and Forwarded

E. H. Kirsch
Comdr. USC&GS
Officer in Charge
Baltimore Photo. Office

Respectfully submitted
6 August 1954

Jack Honick
Carto. Photo. Aid
48. GEOGRAPHIC NAME LIST

- Big Mortar Swamp
- Black Island
- Brewsters Siding
- Bull Town Swamp
- Crossroads
- Fort Point
- GA 131
- Harris Neck Road
- Horse Pen Island
- Jones
- Lecount
- Liberty County
- Long County
- McIntosh County
- North Newport River
- Peacock Creek
- Retreat
- Riceboro
- Riceboro and Barrington Ferry Road
- Riceboro Creek
- Salters Creek
- Sandy Run Road
- Seaboard Air Line Railroad
- Southern Road
- South Newport
- South Newport River
- U.S. 17
- Walthourville Road

---

*Added by Spindo Cemetery
*Field First African Church

*Correctly shown on Manuscript

---

Air line (this is official spelling in Railway Guide)

Names approved on basis of Project names report.
11-22-54
L. Heck

The names of the three Churches at Retreat were not listed in Project names report.
L. H.
PHOTOGRAMMETRIC OFFICE REVIEW
T. 9960


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

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines  32. Public land lines

MISCELLANEOUS

40. Reviewer

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:
FIELD EDIT REPORT  
Project Ph-83  
Quadrangle T-9960

The field edit of this quadrangle was accomplished during the months of December 1954 and January 1955.

51. METHODS

The inspection of the quadrangle was accomplished by traversing all passable roads by truck, walking to areas which required special attention, and by skiff along the waterways. Standard surveying methods were used for corrections and additions.

All additions, corrections and deletions have been indicated on either the field edit sheets, referenced to the field photographs, or answered directly on the discrepancy prints. A legend, describing the colored inks used, is shown on the Southeast Quarter of the field edit sheets. Purple ink was used for additional information on the photographs.

The field edit sheet has been divided into four quarter sections, therefore, four 1:10,000 scale double-weight matte prints are submitted as field edit sheets. Thirteen photographs, on which field edit information has been shown, are listed as follows:

| 51-0-4264A | GS NU 5-05 | GS NU 1-12 | 34845 |
| 51-0-4265 | GS NU 5-06 | GS NU 1-13 | 34849 |
| 51-0-4266 | GS NU 5-07 | GS NU 1-14 | 35050 |
| | | GS NU 1-15 | |

52. ADEQUACY OF COMPILATION

The map compilation was adequate with the exception of a few corrections and additions.

Considerable improvement was noted throughout this particular quadrangle in regard to woodland cover. There are,
however, a few changes which are called to the attention of the compiler. Numerous areas, which appear as open on the photographs, are covered with young pine that have grown since photography. Many small swamps were not shown on the manuscript. The majority have been classified by the field editor. All similar areas should be shown as swamp unless otherwise noted. Some are depicted by depression contours.

The line clearing, which appears on photographs in the extreme southeast portion of the quadrangle, is not recommended for delineation. This is a portion of an old telephone line, which was abandoned about fifteen years ago. It is now overgrown with brush and trees.

The compilation report discussed the inadequate classification of abandoned rice fields within the quadrangle. Some have been shown with the marsh symbol while others have been shown as intermittent ponds. Your attention is invited to two areas in the northwest quarter of the quadrangle; one near the intersection of the Walthourville Road and the Riceboro and Barrington Ferry Road, and the other near the Bull Town Swamp and the Riceboro and Barrington Ferry Road. These areas are similar. They are dry only during the extreme dry seasons. They have practically no vegetation. It is believed that the marsh symbol will better express these features.

The Brunswick Pulp and Paper Company is the owner of the majority of the woodland within the area. They are gradually establishing a system of secondary graded and drained roads through their property. The roads are considered private, but do not have locked gates forbidding public use.

53. Map Accuracy

The horizontal positions of the map detail appear to be good. No standard vertical accuracy test was requested and none was made.

The contours were visually checked and were found to adequately depict the terrain.

54. Recommendations

None.
55. EXAMINATION OF PROOF COPY

Mr. J. F. Geiger, storekeeper at Jones and a resident of the area for thirty years, has agreed to examine a proof copy of this quadrangle for possible errors. Mr. Geiger's address is: Route 1, Box 178, Riceboro, Georgia.

3 February 1955
Submitted by:
Joseph K. Wilson
Cartographer

3 February 1955
Approved & Forwarded:

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

T-9960

Topographic map T-9960 is one of 17 similar maps in PROJECT 6053. 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 platanable 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-9960 will include 2 one-half quadrangle cloth-mounted prints at scale 1:10,000 designated as T-9960 S and T-9960 N, 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:**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
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<tbody>
<tr>
<td>T-5118</td>
<td>1:20,000</td>
<td>1933</td>
</tr>
<tr>
<td>5119</td>
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</tr>
</tbody>
</table>

Comparison with the above surveys indicates extensive natural and cultural changes. T-9960 supersedes both surveys in common areas for nautical charting purposes.

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

AMS SAPELO RIVER, 1:50,000, 1948, 10-ft. contour interval, 15-minute topographic quadrangle.

T-9960 completely supersedes the NW/4 of the above map as a source of topographic information.

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

None.

65. **Comparison with Nautical Charts:**

No published charts of this area.

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 of the plane-table contouring was tested concurrently with the surveys by field supervisors.

Reviewed by:

John M. Neal
APPROVED:

John Doe
Chief, Review Section
Photogrammetry Division

Wallace A. Bunder
Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Division

Chief, Coastal Surveys Division