**U.S. COAST AND GEODETIC SURVEY**

**DEPARTMENT OF COMMERCE**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Topographic</th>
</tr>
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<tbody>
<tr>
<td>Field No.</td>
<td>Ph-83</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-9956</td>
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</table>

**LOCALITY**

- State: **Georgia**
- General locality: **St. Simons Island**
- Locality: **Sea Island**

**191/51-55**

**CHIEF OF PARTY**

- J.E. Waugh, Photogrammetric Party 1.
- E.H. Kirsch, Baltimore Photo. Office

**LIBRARY & ARCHIVES**

DATE **May 26, 1958**
DATA RECORD

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

Supplement 1 dated: 12 March 1952

Copy filed in Division of Photogrammetry (IV)

" 5 " : 16 October 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): 8 April 1958

Applied to Chart No. Date:

Date registered (IV): 8 April 1958

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 (4) refer to sounding datum

I.e., mean low water or mean lower low water

Reference Station (III): HAMPTON, 1932

Lat.: 31° 12' 48.561"

Long.: 81° 18' 44.905"

Adjusted

Unadjusted

Plane Coordinates (IV):

State: Georgia Zone: East

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.
DATA RECORD

Field Inspection by (II): Leo F. Beugnet, Carto. Surv. Aid
James A. Clear, Jr., Carto. Surv. Aid

Date: March 1953
May 1954

Planetable contouring by (II): James A. Clear, Jr., Carto. Surv. Aid
Leo F. Beugnet, Carto. Surv. Aid
John R. Smith, Carto. Surv. Aid

Date: July 1952
November 1952
May 1954

Completion Surveys by (II): J.K. Wilson

Date: 1954-55

Mean High Water Location (III) (State date and method of location): Changeable HWL along the Atlantic Ocean surveyed during 1954-55 Field Edt. All other Shoreline from 1951 & 1952 photography verified by field inspection in 1953 & 1954

Projection and Grids ruled by (IV): S. Rose
Date: 7-5-52

Projection and Grids checked by (IV): H.R.C. (J.L.T.)
Date: 7-10-52 (7-8-52)

Control plotted by (III): H.R. Rudolph
Date: 6-1-53

Control checked by (III): J. Steinberg
Date: 6-2-53

Radial Plot by (III): H. R. Rudolph

Planimetry

Stereoscopic Instrument compilation (III):
Contours

Manuscript delineated by (III): J. B. Phillips
Date: 9/10/54

Photogrammetric Office Review by (III): R. Glaser
Date: 9/22/54

Elevations on Manuscript checked by (II) (III): R. Glaser
Date: 9/22/54
**PHOTOGRAPHS (III)**

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<td>1515</td>
<td></td>
<td>5.6 &quot;</td>
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<td>3496 - 3502</td>
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<td>1548</td>
<td></td>
<td>5.8 &quot;</td>
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<tr>
<td>4287 - 4291</td>
<td>4/11/51</td>
<td>0928</td>
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<td>3.7 (inside)</td>
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<td>4292 - 4293</td>
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<td>1785 - 1787</td>
<td>10/12/52</td>
<td>1022</td>
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<td>2.2 ocean</td>
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</table>

**Tide (III)**

Reference Station: Savannah River Entrance, Ga.
Subordinate Station: Hampton River Entrance
Subordinate Station: St. Simons Light

Washington Office Review by (IV): *S.O. Blankenbaker*

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 21
Shoreline (More than 200 meters to opposite shore) (III): 23 Statute Mi.
Shoreline (Less than 200 meters to opposite shore) (III): 44 Statute Mi.
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 19
Number of Recovered: 11
Number of BMs searched for (II): 19
Number of Recovered: 10
Number of Recoverable Photo Stations established (III): one
Number of Temporary Photo Hydro Stations established (III): none
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
Summary to Accompany Descriptive Report T-9956

Topographic map T-9956 is one of sixteen similar maps in project PH-83 to be completed as standard quadrangles. The project covers the Georgia shoreline area and adjacent land area from St. Catherines Sound to St. Simons Sound. T-9956 covers the area from the south end of Little St. Simons Island to the town of St. Simons.

This is a graphic compilation project. Field work in advance of compilation included complete field inspection and complete plan-table contouring.

Map T-9956 was compiled at 1:10,000 scale in two sheets, each 3 3/4" in latitude and 7 1/2" in longitude. Single lens "O" camera photographs taken in 1951 and 1952 were used. The map was field edited in January 1955 and with the addition of hydrographic data the map will be published by the Geological Survey at a scale of 1:24,000 as a standard 7 1/2 minute topographic manuscript.

Items registered under T-9956 will include a Descriptive Report, 2 one-half quadrangle positive impressions on "cronar" and a lithographic print in colors of the published Geological Survey quadrangle.
2. AREAL FIELD INSPECTION

The area surveyed includes the eastern portion of St. Simons Island, the southern portion of Little St. Simons Island, all of Sea Island, and the surrounding marshes and waters.

St. Simons Island is a well developed summer resort. The island is adequately served by hard surface roads and is connected to Sea Island by a highway.

The principal occupation of the inhabitants of the area is catering to tourist and summer residents.

The central part of Sea Island is highly developed with resort homes. The Cloister Hotel is the outstanding cultural feature. Sea Island is adequately served by hard surface roads.

North of the developed area the terrain is comprised of a series of low ridges covered by a heavy growth of oak and pine. South of the developed area a long narrow ridge of sand dunes exists.

For that portion of Little St. Simons Island within the limits of the quadrangle, see Field Inspection Report of Quadrangle T-9967.

Field inspection of the area is believed to be adequate and complete.

3. HORIZONTAL CONTROL

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

A total of 6 stations, including those of the Georgia Geodetic Survey, were identified on the photographs for use in control of the radial plot.

One U.S.C. & G.S. station, "POSTELL 1913-1924" was reported destroyed on Form 526.

4. VERTICAL CONTROL

All bench marks within the limits of the quadrangle were searched for and reported on Form 685A.

No level lines were run within the quadrangle.
Bench marks of the Georgia Geodetic Survey were used as a base for plane table contouring on Sea Island.

For methods used on the islands north of Hampton River, see Field Inspection Report for Quadrangle T-9967.

5. CONTOURS AND DRAINAGE

Contouring was done directly on single lens, 1:10,000 scale photographs at a contour interval of five feet.

The stereoscope was used extensively, both preliminary to the field work to outline drainage and assist in the interpretation of detail, as well as during field work to help shape the contours. Drainage was checked in the field and redrawn where necessary.

Drainage on Sea Island is by seepage into the sand for the greater part. On the northern part of the island several low areas drain through creeks in the marsh and through a newly dug canal into Hampton River.

6. WOODLAND COVER

The woodland cover has been classified in accordance with Paragraph 5433 of the Topographic Manual, Part II.

On Sea Island and the islands in the marsh areas the cover is mostly oak and pine. In the sand dune areas along the ocean shore a growth of scrub will be found in the low areas between the dunes.

7. SHORELINE AND ALONGSHORE FEATURES

The greater part of the shoreline is apparent, being through the marsh areas.

The mean high water line was located in some areas by visual inspection from a small boat run close to shore. On the beaches it was located by measurements from natural or cultural features, or by plane table.

The mean low water line was located in the same manner as above.

Attention is called to photograph 51-0-3418 and Pelican Spit. As is evident by the five-foot contour and the approximate mean high water line, this spit undergoes rapid changes. For this reason, no attempt was made to locate the mean low water line in this area.

The foreshore is mud along the shores of the inland marshes, and sand along the outer beaches. Bluffs are depicted by contours. All docks, wharves and piers have been labeled on the photographs.
8. **OFFSHORE FEATURES**

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

9. **LANDMARKS AND AIDS**

One landmark within the limits of the quadrangle was recommended for deletion on Form 567. No other landmarks for charting are recommended.

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 reported submitted by Mr. Richard L. McGlinchey, Cartographic Survey Aid, dated 2 February 1953.

11. **OTHER CONTROL**

One topographic station "TBM 1 (1934) Hampton River (South Entrance) 1952" was established during the course of field work.

12. **OTHER INTERIOR FEATURES**

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

The road northeast of Fort Frederica, mentioned in the Descriptive Report for Quadrangle T-9955, dated 12 May 1953, submitted by Mr. George E. Varnadoe, was field inspected and checked by plane table methods and found to be correct as shown on the photographs, except for the change made on photograph 51-0-3498A. This road has been widened and resurfaced. It appears that the centerline of the old road was held. The road is now 15 feet wide.
13. GEOGRAPHIC NAMES

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

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

<table>
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<tr>
<th>Description</th>
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<th>Date</th>
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<td>Geographic Names Report</td>
<td>Washington, D. C.</td>
<td>5 November 1952</td>
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<td>Pkg. No. 75</td>
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<td>Boundary Report</td>
<td>Washington, D. C.</td>
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18 June 1954
Revised and submitted by:

James A. Clear, Jr.
Cartographic Survey Aid

7 July 1954
Approved and Forwarded:

J. E. Waugh
Chief of Party
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<th>DATUM CORRECTION</th>
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1 FT. = 0.040040 METER

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DATE: 4/23/53
CHECKED BY: L. A. Senasack
DATE: 27 May 1953
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<td>81 19</td>
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1 FT = 0.048006 METER
COMPILATION REPORT  
Project No. Ph-83  
Survey T-9956

The Photogrammetric Plot Report covering the area of this survey is part of the Descriptive Report for Survey T-9967.

31. DELINEATION

This manuscript was delineated by graphic methods. The ratio reflecting projector was used to aid in delineating several areas where scale differences between photograph and manuscript were found to exist.

The 1952 photographs were used for delineation instead of the 1951 photographs wherever it seemed advisable.

32. CONTROL

Identification, density and placement of horizontal control was adequate.

33. SUPPLEMENTAL DATA

Final name standard on A.M.S. Brunswick, Georgia quadrangle.

34. CONTOURS AND DRAINAGE

No difficulties were encountered in compiling the planetable contours. Contours just back of the MHWL at Sea Island Beach are subject to possible change by field edit.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. Low water areas in the vicinity of Pelican Spit were office identified from the 1952 photographs. The approximate HWL of the sand island (Pelican Spit) has been delineated on the manuscript as surveyed by planetable on the 1951 photograph on 16 October 1952. This HWL delineation does not coincide exactly with the later photographs taken on 12 October 1952, but this discrepancy is relatively small and not too important considering the instability of this rapidly changing shoreline. All breaker areas were office identified from the later photographs.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Form 567 submitted for deletion of one landmark.

There are no aids to navigation in the area of this survey.
38. CONTROL FOR FUTURE SURVEYS

Form 524 has been submitted for one recoverable topographic station established. This station is listed under item 49 of this report.

39. JUNCTIONS

This manuscript joins T-9967 to the north and T-9955 to the west. Junctions have been completed and are in agreement. To the south and east are all water areas.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment. Refer to Photogrammetric Plot Report

41. - 45.

Not applicable.

46. COMPARISON WITH EXISTING MAPS

This manuscript has been compared with: A.M.S. Quadrangle of Brunswick, Ga., scale 1:50,000, published 1948.


47. COMPARISON WITH NAUTICAL CHARTS

This manuscript has been compared with: Nautical Chart 575, scale 1:40,000, published Sept. 1941, corrected to 9/5/49 and Chart 447, scale 1:40,000, published Feb. 1937, corrected to 12/17/51.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Approved and Forwarded

Respectfully Submitted

E.H. Kirsch
E.H. Kirch, Comdr. USCG
Officer in Charge
Baltimore Photo Office

10 September 1954

Jacqueline B. Phillips
Carto. Photo. Aid
PHOTOGRAMMETRIC OFFICE REVIEW
T. 99S E


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

Reviewed: [Signature]
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: [Signature]
Supervisor: [Signature]

43. Remarks: [Signature]

M 2623-17
FIELD EDIT REPORT
Project Ph-83
Quadrangle T-9956

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 symbols and colored inks used, is shown on the field edit sheet. Purple ink was used for additional information on the photographs.

Two 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:

<table>
<thead>
<tr>
<th>51-0-3413A</th>
<th>51-0-3496</th>
<th>51-0-3499A</th>
</tr>
</thead>
<tbody>
<tr>
<td>3418</td>
<td>3497A</td>
<td>3500</td>
</tr>
<tr>
<td>3418A</td>
<td>3498</td>
<td>3500A</td>
</tr>
<tr>
<td>3419</td>
<td>3498A</td>
<td>3501</td>
</tr>
<tr>
<td></td>
<td></td>
<td>52-0-1785</td>
</tr>
</tbody>
</table>

52. ADEQUACY OF COMPILATION

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

Special attention is invited to the shoreline along the outer beach throughout the quadrangle. The mean high-water line is constantly undergoing rapid changes. The Field Editor has re-surveyed this line along the entire section. No attempt was made to locate the low-water line.
Several roads were added in the north portion of Sea Island. These roads are seldom used, but are a part of the street system of Sea Island and maintained by the Island Authority. The composition of these roads consists of sand and sod.

The drainage ditch, located in the north portion of Sea Island, was outlined on photograph 52-0-1785. This ditch has been changed since both the 1951 and 1952 photography.

53. MAP ACCURACY

The horizontal position of the map detail appears to be good.

The mean high-water line along the beach had changed, therefore affecting the five foot contour. Other contours in the quadrangle were checked visually and were found to adequately depict the terrain.

No vertical accuracy tests were requested and none were made.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Mr. E. H. Messick, Superintendent of Operations for the Sea Island Company, has agreed to examine a proof copy of this quadrangle for possible errors. His address is Sea Island, Georgia.

17 January 1955
Submitted by:

Joseph K. Wilson
Cartographer

17 January 1955
Approved & Forwarded:

J. E. Waugh
CDR, USC&GS
Chief of Party
62. **Comparison with Registered Topographic Surveys**

<table>
<thead>
<tr>
<th>Survey Number</th>
<th>Date</th>
<th>Scale</th>
<th>Survey Number</th>
<th>Date</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-1108</td>
<td>1869</td>
<td>1:20,000</td>
<td>T-4118</td>
<td>1924</td>
<td>1:20,000</td>
</tr>
<tr>
<td>T-4122</td>
<td>1924</td>
<td>1:20,000</td>
<td>T-5123</td>
<td>1934</td>
<td>1:20,000</td>
</tr>
</tbody>
</table>

T-9956 supercedes these surveys in common areas for nautical charting purposes.

63. **Comparison with Maps of other Agencies**

Brunswick, Ga. (AMS) 1:50,000 scale 1946

Numerous natural and cultural changes were noted. Differences exist in horizontal positions of features.

64. **Comparison with Contemporary Hydrographic Surveys**

H-8216 1:20,000 1954 and 1955

The shoreline shown on H-8216 (smooth sheet) was revised (using T-9956 N&D) during verification of the hydrography in 1957. Field edit corrections were applied in red to the topographic manuscript prior to verification of the hydro survey. No changes were made in the shoreline during final review. The surveys are in agreement.

H-8215 1:10,000 1954

The smooth sheet was not verified at the time of final review of T-9956 N&D. The shoreline on the smooth sheet was obtained from advance manuscript T-9956 N&D prior to the application of field edit corrections.

65. **Comparison with Nautical Charts**

<table>
<thead>
<tr>
<th>Chart Number</th>
<th>Scale</th>
<th>Date</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>575</td>
<td>1:40,000</td>
<td>1941</td>
<td>revised June 6, 1955</td>
</tr>
<tr>
<td>447</td>
<td>1:40,000</td>
<td>1937</td>
<td>revised Nov. 11, 1957</td>
</tr>
</tbody>
</table>

Changes have occurred in shoreline. Differences and changes were noted in alongshore physical and cultural features.
66. Adequacy of Results and Future Surveys

This map complies with National Standards of Accuracy and Bureau requirements.

Reviewed by

S. G. Blakenbaker

Approved

K. R. Lande
Chief, Review and Drafting Section
Photogrammetry Division

Chief, Coastal Surveys Division
48. GEOGRAPHIC NAME LIST

Atlantic Ocean
Blackbank River
Black Banks
Bloody March
Couper Road
German Village
Goulds Inlet
Hampton River
Harrington
* Little St. Simons Island
Mosquito Creek
Pelican Spit
Postell Creek
Sea Island
Sea Island Beach
** Sea Island Drive
Sea Island Road
St. Simons
St. Simons Island
Village Creek

* Name from final name sheet on Darien quad and Chart 447.
** Name from Supplement to Geodetic Survey of Georgia

Names approved by
A.J.W.
10/19/54
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be (deleted from) the charts indicated.

The positions given have been checked after listing by L. F. Beugnet
Carto. Sur. Aid

<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></td>
</tr>
<tr>
<td>BEACH</td>
<td>(Beach House, St. Simons Island)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| CHARTS AFFECTED | | |
|-----------------| | |
| 447 | | |
# 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>11 Oct. 58</td>
<td>840</td>
<td>M. E. McCune</td>
<td>Partially applied.</td>
</tr>
<tr>
<td>5-13-65</td>
<td>575</td>
<td>F.R. Scarcella</td>
<td>Before-After Verification and Review</td>
</tr>
<tr>
<td>3-12-65</td>
<td>447</td>
<td>F.R. Scarcella</td>
<td>Before-After Verification and Review</td>
</tr>
<tr>
<td>7-28-70</td>
<td>575</td>
<td>C. B. Reid</td>
<td>Before-After Verification and Review</td>
</tr>
</tbody>
</table>

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.