

9965

NAS

Diag. Cht. Nos. 1241-2 & 1242-2.

Form 504

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 Doboy Sound

Locality Sapelo Island

194 51-54

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE May 26, 1958

B-1870-1 (1)

9965

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/-6-53

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 (25) refer to mean high water

Elevations shown as (5) 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

~~UNADJUSTED~~

Plane Coordinates (IV):

State: Georgia

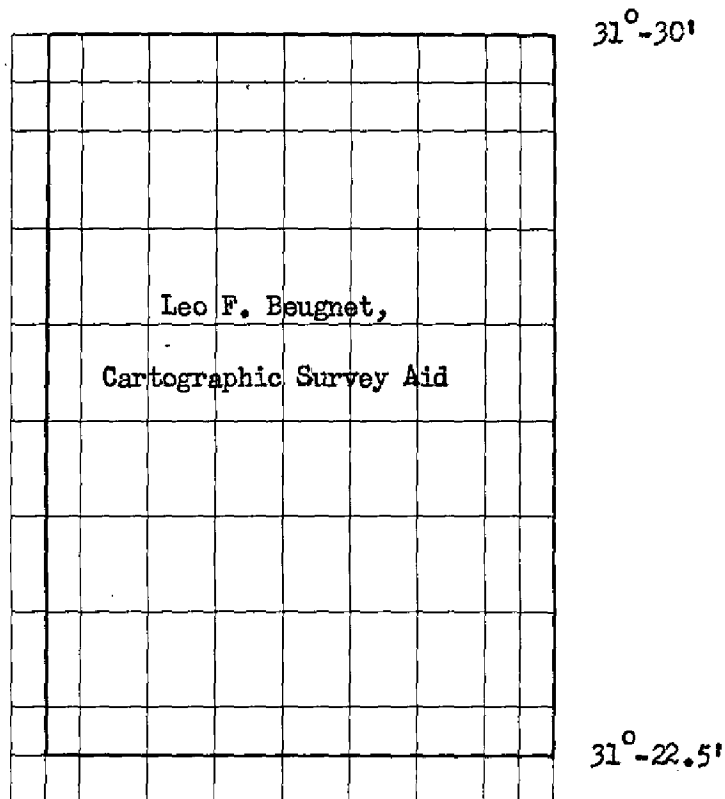
Zone: East

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.



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 of ~~Stereoscopic~~
~~Control Extension~~ by (III): H.R. Rudolph Date: 1 September 1953

Planimetry
Stereoscopic Instrument compilation (III):
Contours Date:

Manuscript delineated by (III): J.Y. Council 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

Camera (kind or source) (III): U.S.C. & G.S. single lens camera "Q" 6" metrogon,
U.S.C. & G.S. nine lens & U.S.G.S. single lens 5.2" metrogon.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
51-0-3400 to 3406	4-1-51	1507	1:10,000	5.2 (5.6 ocean)
3426 to 3428	"	1519	"	5.8
3429 to 3432	"	1521	"	5.3
3483 to 3484	"	1542	"	6.0
3485 to 3490	"	1543	"	5.6
4276 to 4280	4-11-51	0924	"	3.9
34836 to 34839	2/11/52	1030	"	?
GS-NU 2-110 & 2-111	3-25-51	1053	"	5.5 ocean
52-0-1793	10-12-52	1026	"	2.3

Tide (III)

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

Ratio of Ranges	Mean Range	Spring Range
	6.9	8.1
1.0	6.8	8.0
1.0	7.1	8.4

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

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

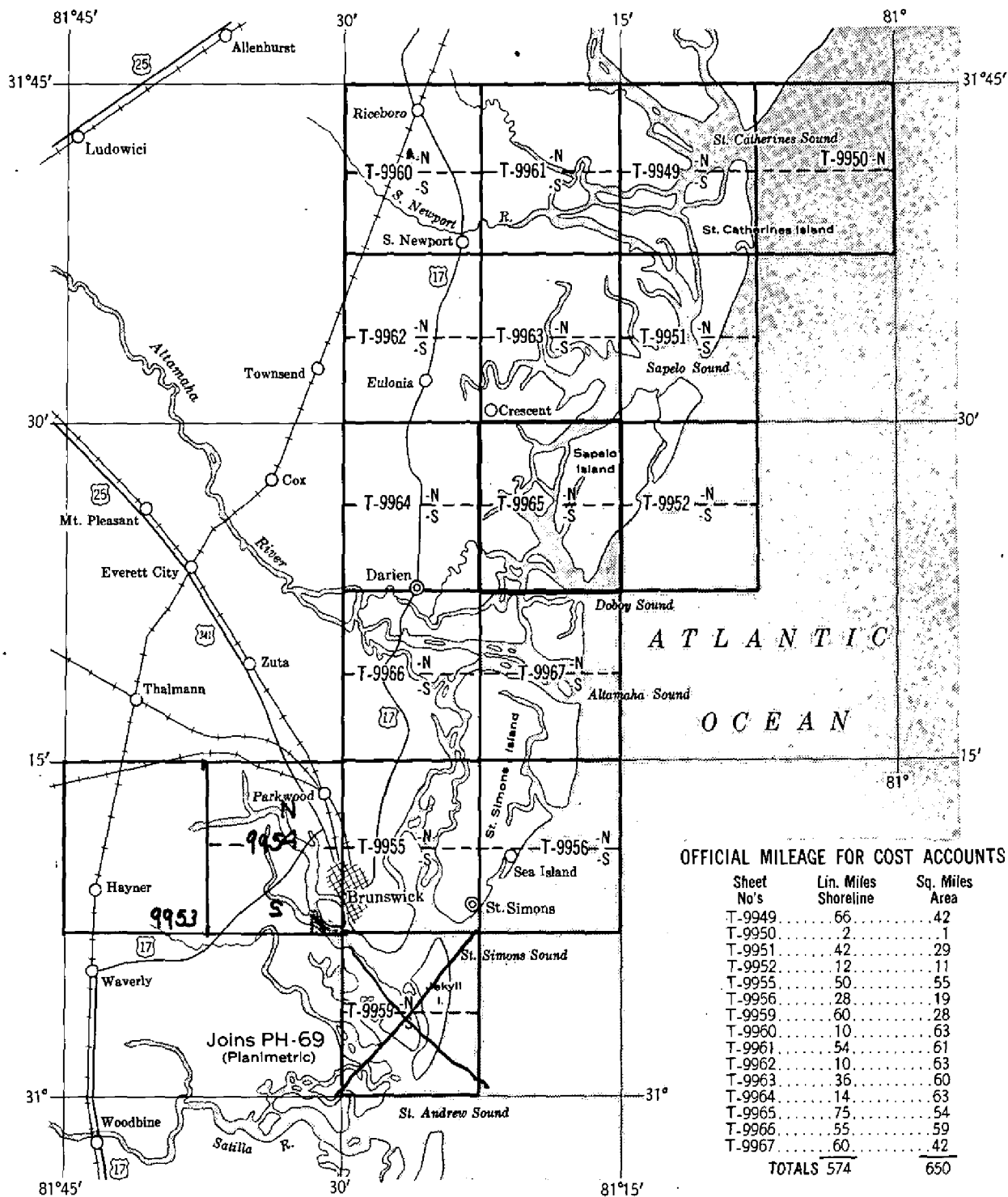
These photos were taken at, or very near low water.

TOPOGRAPHIC MAPPING PROJECT PH-83

Page 5

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

FIELD INSPECTION REPORT
Quadrangle T-9965
Project Ph-83

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 pasturelands 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.

3. 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 " " "
DOBOY 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 " " "
 ROCKDEDUNDY 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 planetable 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 Cabretta 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 Doboy 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 Aid. *(Filed under project data in Photogrammetry Div.)*

11. OTHER CONTROL

Three topographic stations were located within the quadrangle. They are: POLE, 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 11.

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: *Gray*.

Leo F. Beugnet
Leo F. Beugnet,
Cartographic Survey Aid

22 January 1953
Approved by:

Paul Taylor
Paul Taylor V,
Lt. Comdr., USC&GS
Chief of Photo. Party #1

MAP T- 9965 PROJECT NO. Ph-83 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR x -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
NEW CREIGHTON, (USE) 1933	G 1804 Pg. 93	N. A. 1927	31 29	21.220				653.5	(1194.4)		
			81 19	21.980				580.1	(1003.5)		
No. 1A, (USE) 1933	G 1804 Pg. 94	"	31 29	09.105				280.4	(1567.5)		
			81 18	24.345				642.6	(941.1)		
AVIATION BN. #7, 1932	G 1892 Pg. 39	"	31 28	39.818				1226.3	(621.6)		
			81 20	44.254				1168.1	(415.6)		
MARSH, 1858	G 1786 Pg. 74	"	31 28	28.572				880.0	(967.9)		
			81 16	59.895				1581.0	(2.8)		
ATWOOD, 1933	G 1804 Pg. 93	"	31 27	35.461				1092.1	(755.8)		
			81 20	09.455				249.6	(1334.4)		
MARY, 1933	G 1804 Pg. 93	"	31 26	40.900				1259.6	(588.2)		
			81 18	12.351				326.1	(1258.2)		
COOK, 1858	Unknown	"	31 29	49.067				1506.9	(341.0)		
			81 19	46.212				1224.8	(358.6)		
Sub Pt No 1-A (USE) 1933		"	31 29					318.0	(1529.9)		
			81 18					684.5	(899.2)		
Sub Pt MARSH, 1858		"	31 28					873.0	(974.9)		
			81 16					1581.6	(-2.2)		
Sub Pt ATWOOD, 1933		"	31 27					1109.3	(738.6)		
			81 20					168.4	(1415.6)		
Sub Pt MARY, 1933		"	31 26					1242.5	(605.3)		
			81 18					342.9	(1241.4)		
FOX 2, 1933	G 1804 Pg. 93	"	31 25	35.714				1099.9	(748.0)		
			81 21	39.431				1041.4	(543.2)		

1 FT. = 3048006 METER

COMPUTED BY: J.A. Steinberg

DATE 8 August 1952

CHECKED BY: H.R. Rudolph

DATE 11 Sept. 1952

M: 2388-12

-12-

MAP T. 9965 PROJECT NO. Ph-83 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
			°	'	''	''		FORWARD	(BACK)	FORWARD	(BACK)
AIKENS 2, 1933	G 1804 Pg. 94	N.A. 1927	31	24	17.797			548.1	(1299.8)		
			81	22	27.781			733.9	(851.1)		
Sub Pt AIKENS 2, 1933		"	31	24				495.9	(1352.0)		
			81	22				678.9	(906.1)		
Sub Pt DOBOY, 1933		"	31	23				1687.7	(160.2)		
			81	19				1094.3	(490.8)		
DOBOY, 1933	G 1804 Pg. 94	"	31	23	54.700			1684.7	(163.2)		
			81	19	43.113			1139.0	(446.1)		
DOBOY ISLAND S.CHY. of W. HO 1933	" Pg. 103	"	31	23	51.055			1572.4	(275.5)		
			81	19	42.390			1119.9	(465.2)		
DOBOY I. N. CHY. of E. HO, 1933	" "	"	31	23	49.030			1510.0	(337.9)		
			81	19	39.084			1032.6	(552.6)		
SIGNAL TREE, 1901	G 1903 Pg. 133	"	31	23	29.048			894.6	(953.3)		
			81	18	36.563			966.0	(619.2)		
SIGNAL, 1866	" Pg. 134	"	31	23	21.265			654.9	(1193.0)		
			81	18	18.732			494.9	(1090.3)		
COM, USE, 1939	USE 075-009	"	31	23	40.865			1258.6	(589.3)		
			81	18	51.253			1354.1	(231.1)		
RIG, 1919	G 2162 Pg. 154	"	31	22	34.002			1047.2	(800.7)		
			81	17	42.279			1117.2	(468.3)		
SAPELO ISLAND LIGHT, 1932	G 1892 Pg. 39	"	31	23	32.721			1007.7	(840.1)		
			81	17	02.661			70.3	(1514.9)		
SAPELO ISLAND LT. HC. (OLD)	G 1903 Pg. 132	"	31	23	27.724			853.8	(994.1)		
			81	17	09.100			240.4	(1344.8)		

1 FT. = 30.48006 METER

COMPUTED BY J. Steinberg

DATE 11 August 1952

CHECKED BY H.R. Rudolph

DATE 11 Sept. 1952

M-2388-12

-13-

MAP T..... 9965..... PROJECT NO..... Ph-83..... SCALE OF MAP..... 1:10,000..... SCALE FACTOR.....

SCALE OF MAP.....1:10,000

PROJECT NO..... Ph-83

MAP T-9965

SCALE FACTOR

[illegible]

! ET - 3048006 METES

COMPUTED BY: J. Steinberg

DATE 11 August 1952

CHECKED BY: H.R. Rudolph

DATE 11 Sept. 1952

01 DEC 1961

-47-

COMPILATION REPORT
T-9965

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 MHWL 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
Corps of Engineers, Darien Quadrangle, scale 1:62,500, edition of 1921, reprinted 1937.

See § 62 & 63

47. COMPARISON WITH NAUTICAL CHARTS

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

See § 65

Items to be applied to nautical charts immediately:

None.

Items to be carried forward:

None.

Respectfully submitted
6 October 1953

Judson Y. Council

Judson Y. Council
Carto. Photo. Aid

Approved and Forwarded

E. H. Kirsch

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
Mc Intosh County
Mud River

New Teakettle Creek
North River

Old Darien River
Old Teakettle Creek

Patterson Island
Pease Point
Postoffice Creek
Pumpkin Hammock

Rock Island
Rockdedundy 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.F.U.*

**** Removed by Field Editor.
 New P.O. is now at SAPELO.**

49. NOTES FOR THE HYDROGRAPHER

There are no photo hydro stations.

The following are the three recoverable topographic stations located on this survey:

POLE, 1952

TBM 3 (1934) 1952 (Creighton Narrows)

TBM 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

} See 57
Field Edit Report

PHOTOGRAMMETRIC OFFICE REVIEW

T. 9965

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 none 8. Bench marks ☒ 9. Plotting of sextant fixes none 10. Photogrammetric plot report ☒ 11. Detail points ☒

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ☒ 13. Low-water line ☒ 14. Reefs, shoals, etc. ☒ 15. Bridges none 16. Aids to navigation ☒ 17. Landmarks ☒ 18. Other alongshore physical features ☒ 19. Other along-shore cultural features ☒

PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☒ 22. Planetable contours ☒ 23. Stereoscopic instrument contours none 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 none 32. Public land lines none

MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☒ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒40. R. Plasee
ReviewerJoseph Steinberg
Supervisor, Review Section or 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.

Tracy Y. Council
CompilerFrank J. Lareza
Supervisor

43. Remarks:

NONTECHNICAL AIDS OR LANDMARKS FOR CHARTS

19.53

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

Chief of Party:

[illegible]

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR~~ LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

Baltimore, Maryland

October, 19 53

I recommend that the following objects which have ~~(been deleted)~~ 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

R. Glaser

E. H. Kirsch Chief of Party.

STATE	CHARTING NAME	GEORGIA	DESCRIPTION	SIGNAL NAME	POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED		
					LATITUDE *		LONGITUDE *										
					°	'	°	'	"								
					D. M. METERS		D. P. METERS										
DAYBEACON 155	LIGHT	✓	"	"	Light	✓	31	29	81	19	26.79 707	N. A. 1927	Theod. T-9965	1952	X X	X X	574 840
DAYBEACON 155A	LIGHT	✓	"	"	Light	✓	31	29	81	19	32.36 854	"	"	"	X X	X X	"
DAYBEACON 156	LIGHT	✓	"	"	Daybeacon	✓	31	29	81	19	27.58 728	"	"	"	X X	X X	"
DAYBEACON 157	LIGHT	✓	"	"	Light	✓	31	29	81	19	22.85 603	"	"	"	X X	X X	"
FRONT RANGE 157A	LIGHT	✓	"	"	Old Teakettle Creek Range Front Daybeacon	✓	31	28	81	19	07.42 196	"	"	"	X X	X X	"
REAR RANGE 157A	LIGHT	✓	"	"	Old Teakettle Creek Range Rear Daybeacon	✓	31	28	81	19	02.39 63	"	"	"	X X	X X	"
DAYBEACON 158	LIGHT	✓	"	"	Old Teakettle Creek Daybeacon	✓	31	28	81	19	11.97 316	"	"	"	X X	X X	"
DAYBEACON 159	LIGHT	✓	"	"	Light	✓	31	28	81	19	07.84 207	"	"	"	X X	X X	"
DAYBEACON 158A	LIGHT	✓	"	"	Daybeacon	✓	31	28	81	19	15.12 399	"	"	"	X X	X X	"
DAYBEACON 160	LIGHT	✓	"	"	"	✓	31	28	81	19	24.36 643	"	"	"	X X	X X	"
DAYBEACON 161	LIGHT	✓	"	"	"	✓	31	28	81	19	34.93 922	"	"	"	X X	X X	"
LIGHT 162	LIGHT	✓	"	"	Light	✓	31	28	81	19	47.43 1252	"	"	"	X X	X X	"
DAYBEACON 164	LIGHT	✓	"	"	Daybeacon	✓	31	28	81	19	41.18 1087	"	"	"	X X	X X	"
FRONT RANGE 166	LIGHT	✓	"	"	Range	✓	31	27	81	19	16.10 425	"	"	"	X X	X X	"
Front Daybeacon																	

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR OBSTACLES FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

Baltimore, Maryland

October, 1953

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the chart)~~ the charts indicated.

The positions given have been checked after listing by

R. Glaser

E. H. Kirsch Chief of Party.

STATE	GEORGIA	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION					METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED				
					LATITUDE *		LONGITUDE *												
					°	'	"	D.M. METERS	°							'	"	D.P. METERS	
					DATUM														
REAR RANGE 166	✓	Old Teakettle Creek Range Rear Daybeacon	✓		31	27	17.21	530	81	19	14.47	382	N. A. 1927	Theod. T-9965	1952	X	X		574
DAYBEACON 167	✓	Old Teakettle Creek Daybeacon	✓		31	27	52.70	1623	81	19	26.10	689	"	"	"	X	X		840
DAYBEACON 168	✓	" " "	✓		31	27	39.71	1223	81	19	26.97	712	"	"	"	X	X		"
LIGHT 169	✓	" " " Light	✓		31	27	27.44	845	81	19	15.04	397	"	"	"	X	X		"
DAYBEACON 171	✓	" " " Daybeacon	✓		31	27	02.82	87	81	18	46.89	1238	"	"	"	X	X		"
DAYBEACON 172	✓	" " " "	×		31	26	45.49	1401	81	18	29.80	787	"	"	"	X	X		"
LIGHT 173	✓	" " " Light	✓		31	26	31.59	973	81	18	11.66	308	"	"	"	X	X		"
LIGHT 175	✓	Old Teakettle Creek Light	✓		31	25	33.41	1029	81	18	40.78	1077	"	"	"	X	X		"
LIGHT 1	✓	Duplin River Light	✓		31	24	45.88	1413	81	18	14.16	374	"	"	"	X	X		"
FRONT RANGE 178A	✓	North River Range Front Light	✓		31	24	31.14	959	81	19	11.36	300	"	"	"	X	X		"
REAR RANGE 178A	✓	" " " Rear Daybeacon	×		31	24	31.10	958	81	19	16.09	425	"	"	"	X	X		"
LIGHT 180	✓	Doboy Island Light	✓		31	24	10.94	337	81	19	46.45	1227	"	"	"	X	X		"
DAYBEACON 181	✓	" " " Daybeacon	×		31	23	44.68	1376	81	19	46.18	1220	"	"	"	X	X		"
LIGHT 182	✓	" " " Light	✓		31	23	31.27	963	81	19	53.14	1404	"	"	"	X	X		"

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ORIENTED MARKS FOR CHARTS

TO BE CHARTED
KOBOS DELVEED

STRIKE OUT ONE

Baltimore, Maryland

October, 1953

I recommend that the following objects which have ~~(been inspected from seaward to determine their value as landmarks be)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the charts indicated.)~~ the charts indicated.

The positions given have been checked after listing by

R. Glaser

E. H. Kirsch
Chief of Party.

E. H. Kirsch

[illegible]

NON-FLOATING AND/OR LANDMARKS FOR CHARTS

STRIKE OUT ONE

Baltimore, Maryland ~~October~~ 1953

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the)~~ the charts indicated.

The positions given have been checked after listing by

H. Glaser

E. H. Kirsch

Chief of Party.

[illegible][illegible]

~~TO BE DELETED~~

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Brunswick, Georgia

27 September 1954

I recommend that the following objects which have ~~(been inspected from seaward to determine their value as landmarks be~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the charts indicated)~~ the charts indicated.

The positions given have been checked after listing by

THE

Dr. I. E. Warrick

J. E. Haver, CDR, USNCR, Chief of Party.

[illegible]

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
James E. Hundley
Cartographer

NOV 9 1954

Approved & Forwarded:

J. E. Waugh

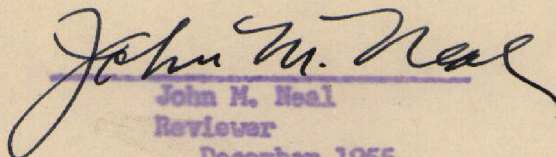
J. E. Waugh
CDR, USC&GS
Chief of Party

Summary to Accompany Descriptive Report

T-9965

Topographic map ¹⁶T9965 is one of ~~the~~ similar maps in PROJECT 6083. This project covers the Georgia Coast from latitude $31^{\circ} 07' 30''$ (St. Simons Sound) northerly to latitude $31^{\circ} 45'$ (St. Catherine Sound).

This map was compiled by hand plot methods. Field work prior to compilation included complete field inspection, supplemental leveling and complete planetable 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

Review Report
T-9965
Topographic Map
December 1955

62. Comparison with Registered Topographic Surveys:

678	1:10,000	1857
721	1:20,000	1858
1080	"	1868
4122	"	1924
3780	"	1919
5120	"	1933
5121	"	"
5219	1:10,000	"
5220	"	"
5221	"	"
6168	"	1934
6195 a and b	"	"
6196 a and b	"	"

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)
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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 ^{of the} plane-table contouring was tested concurrently with the surveys by field supervisors.

Reviewed by:

John M. Neal
John M. Neal

APPROVED:

L. C. Lande
Chief, Review Section
Photogrammetry Division

B. J. [unclear]
Chief, Photogrammetry Division
[unclear]

Max Skelton
Chief, Nautical Chart Branch
Charts Division

[unclear]
Chief, Coastal Surveys Division

NAUTICAL CHARTS BRANCH

SURVEY NO. _____

Record of Application to Charts

[illegible]

M-2168.1

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.