9966

N&S

Diag. Cht. No. 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-9966

LOCALITY

State Georgia

General locality Altamaha River

Locality Darien River

194 51-56

CHIEF OF PARTY
P. Taylor, Chief of Field Party
E.H.Kirsch, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE July 24, 1958

8-1870-1 (1)

9966

DATA RECORD

T - 9966

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

Field Office (II): Brunswick, Georgia Chief of Party: Paul Taylor

Photogrammetric Office (III): Baltimore, Md. Officer-in-Charge: E. H. Kirsch

Instructions dated (II) (III): - 27 December 1951 (25 Aug. 1952 (office)) Copy filed in Division of Photogrammetry (IV)
Supplement 1 - 12 March 1952
" 2 - 2 April 1952
" 3 - 14 April 1952 (Field)
" 4 - 10 June 1952
" 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): 9-17-54 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): SEP 23 1954 25 Mar 1958

Publication Scale (IV): 1:20,000 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): DENT, 1932

Lat.: 31° 18' 18.231" (561.5m) Long.: 81° 27' 42.010 (1110.9m) Adjusted ~~Unadjusted~~

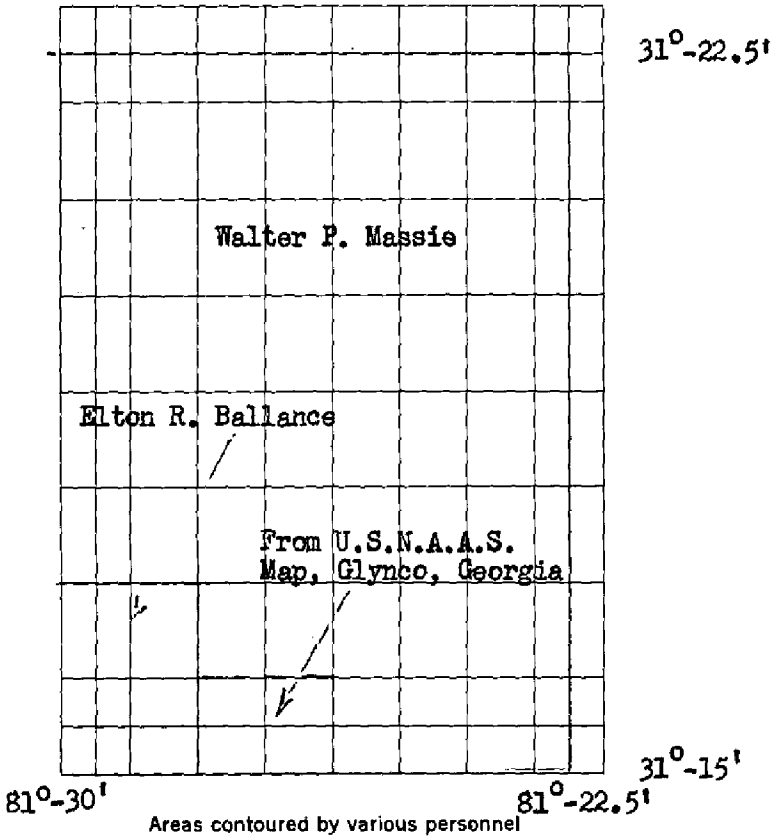
Plane Coordinates (IV): State: Georgia Zone: East

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.

M-2618-12(4)



Areas contoured by various personnel

(Show name within area)

(II) (III)

DATA RECORD

Field Inspection by (II): Walter P. Massie, Carto. Surv. Aid — Date: Mar.-June, 1952

Planetable contouring by (II): Walter P. Massie, Carto. Surv. Aid — Date: Mar.-May, 1952
Elton R. Ballance, Carto. Surv. Aid — May, 1952

Completion Surveys by (II): J.K. Wilson — Date: Mar. 1956

Mean High Water Location (III) (State date and method of location): 1951 (date of photography)
Field Inspection & office interpretation.

Projection and Grids ruled by (IV): S. Rose — Date: 7/4/52

Projection and Grids checked by (IV): J. L. Thuma — Date: 7/8/52

Control plotted by (III): A. Queen — Date: 4/23/53

Control checked by (III): J. Steinberg — Date: 4/27/53

Radial Plot or ~~Stereoscopic~~ Control extension by (III): H. R. Rudolph — Date: 9/1/53

Stereoscopic Instrument compilation (III): Planimetry — Date:

Contours — Date:

Manuscript delineated by (III): J. Y. Councill (N) — Date: 1/13/54
J. C. Richter (S)

Photogrammetric Office Review by (III): R. Glaser — Date: 5/12/54

Elevations on Manuscript checked by (II) (III): R. Glaser — Date: 5/12/54

Camera (kind or source) (III): U. S. C&GS single lens, Camera "O", 6" metrogon
U.S. C&GS nine-lens, 8¼"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
51-0-4282 to 4287	4/11/51	0926	1:20,000 & 1:10,000	3.6' above MLW
51-0-4311	"	0957	1:20,000	4.3' " "
51-0-4312 to 4316	"	0959	"	2.5' " "
51-0-4406	"	1053	"	5.4' " "
51-0-4640 to 4646	"	1440	"	4.8' " "
51-0-4694 to 4697	"	not available	"	not available
33299	4/13/51	1007	1:20,000	1.2' above MLW
34834 & 34835	2/11/52	1030	1:10,000	5.9' " "
34861	"	1136	"	5.5' " "
34862 & 34863	"	1137	"	4.3' " "
35036 & 35037	2/18/52	1111	"	1.3' " "
35038	"	1113	"	3.2' " "

ADDITIONAL PHOTOGRAPHS AVAILABLE FOR FIELD EDIT

53-0-1192	11/30/53	11:45	1:10,000
53-0-1193	11/30/53	11:46	1:10,000

Tide (III)

From predicted tables

Ratio of Ranges	Mean Range	Spring Range
	6.9	8.1
0.8	5.2	6.1

Reference Station: Savannah River Entrance
Subordinate Station: Champney Island, South Altamaha R.
Subordinate Station:

Washington Office Review by (IV): J. D. Blankenbaker Date: Dec. 4, 1957

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

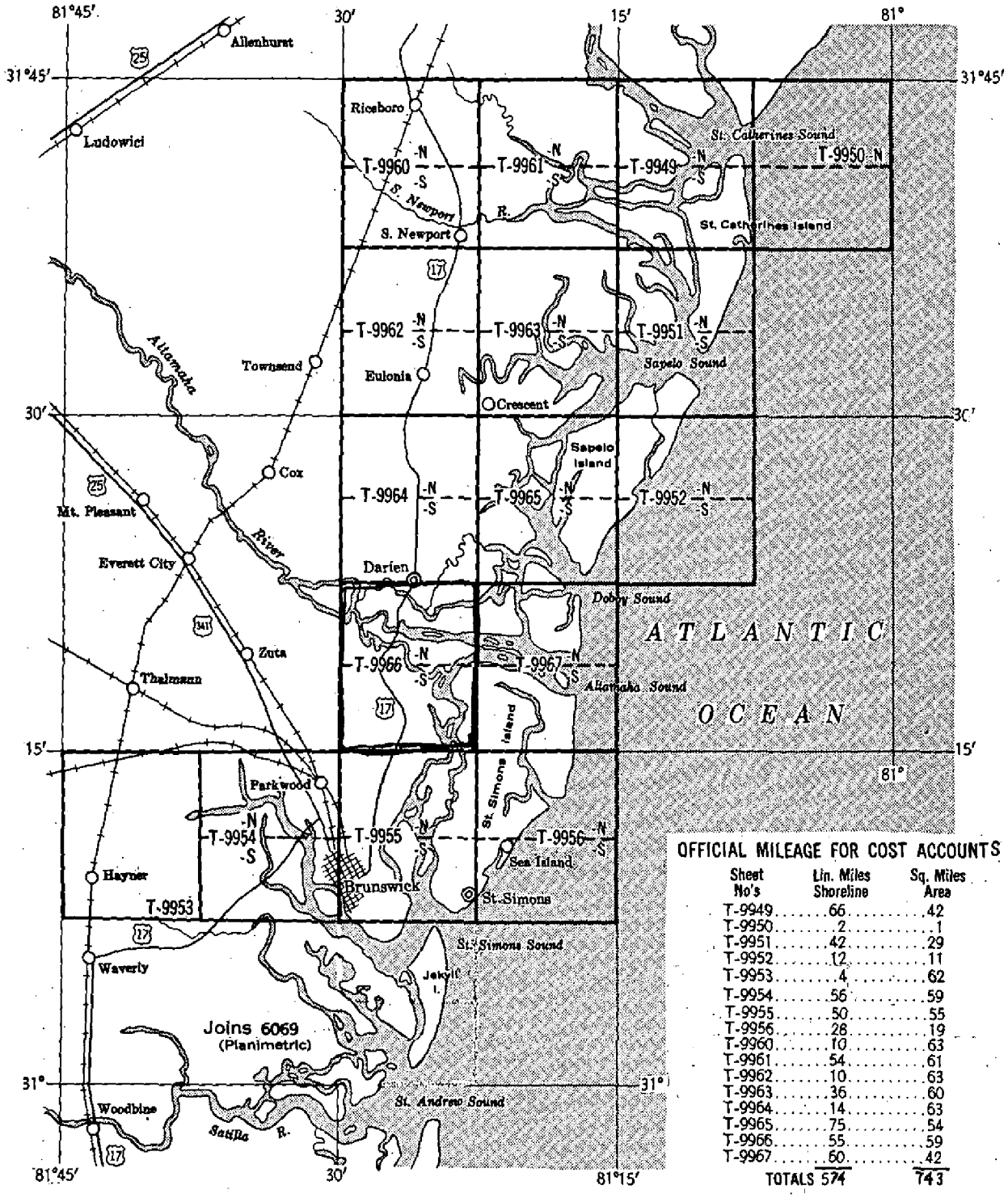
Land Area (Sq. Statute Miles) (III): 46
Shoreline (More than 200 meters to opposite shore) (III): 60 statute mi.
Shoreline (Less than 200 meters to opposite shore) (III): 59 " "
Control Leveling - Miles (II): Third Order 11.5 Fly Levels miles 25.5
Number of Triangulation Stations searched for (II): 95 Recovered: 54 Identified: 18
Number of BMs searched for (II): 12 Recovered: 4 Identified: 1
Number of Recoverable Photo Stations established (III):
Number of Temporary Photo Hydro Stations established (III):
Number of Bench Marks established: ~~16~~ 15 Identified: 15
Remarks:

M-2618-12(4)

TOPOGRAPHIC MAPPING PROJECT 24180

GEORGIA, St. Catherines Sound to St. Simons Sound

(Refer to Air-Photo Index 127-C)



OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No's	Lin. Miles Shoreline	Sq. Miles Area
T-9949	66	42
T-9950	2	1
T-9951	42	29
T-9952	12	11
T-9953	4	62
T-9954	56	59
T-9955	50	55
T-9956	28	19
T-9960	10	63
T-9961	54	61
T-9962	10	63
T-9963	36	60
T-9964	14	63
T-9965	75	54
T-9966	55	59
T-9967	60	42
TOTALS	574	743

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-9966

Topographic map T-9966 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-9966 covers a part of the city of Darien and extends to the south to about half way between Darien and the city of Brunswick.

This is a graphic compilation project. Field work in advance of compilation included the establishment and/or recovery and identification of horizontal and vertical control, location of aids to navigation, inspection of shoreline and interior features, the investigation of boundaries, land lines and geographic names, and the delineation of 5 feet contours directly on the photographs by planetable methods.

Map T-9966 was compiled at 1:10,000 scale in two sheets, each 3 3/4' in latitude and 7½' in longitude. Nine lens photographs taken in 1952 and single lens ("0" camera) photographs taken in 1951 were used.

The map was field edited in 1956. With the addition of hydrographic information the map will be published as a standard 7½ minute topographic quadrangle.

Items registered under T-9966 will include a descriptive report, a positive impression on "Cronar" of the scribed copy of the manuscript, and a lithographic print in colors of the published Geological Survey Quadrangle.

FIELD INSPECTION REPORT
Project Ph-83
Quadrangle T-9966

2. AREAL FIELD INSPECTION

The salient features of the quadrangle are the southern part of the town of Darien, three large rivers (the Darien River, the Altamaha River and the South Altamaha River), the large expanse of marsh between these rivers, Boys Estate, U. S. Highway No. 17, and the Brunswick-Altamaha Canal (abandoned).

The land area in the southwestern part is, for the most part, gently sloping, cut over pine timber land, with scattered patches cleared for cultivation, and is typical of this section of the state. Swamps are to be found adjacent to the rivers and are clearly defined by their tone. That part of the marsh where a checker board pattern of ditches appears was at one time used for growing rice, but storms have long since destroyed most of the small earth dikes and the land has reverted to marsh; the exception being the eastern tip of Butler Island and a narrow strip across the river to the south. Both of these areas are protected from the tides by earth dikes, and are used for truck farming. It is interesting to note that these (cultivated) areas are now lower than the adjoining swamp and marsh areas.

A part of the small town of Darien falls within the boundary of this quadrangle. Fishing and the harvesting of wood products (turpentine, pulp wood and lumber) are its industries.

"Boys Estate, Georgia", which is located in the west central part of the quadrangle, is an orphanage for boys.

U. S. Highway No. 17, which was built on the old Georgia Coast and Piedmont Railroad bed from Darien south across the marshes, bisects the quadrangle in a north-south direction. The land area is also adequately served by a pattern of secondary roads.

The Brunswick-Altamaha Canal also bisects the quadrangle, from its southern boundary to South Altamaha River, in a north-south direction. This canal was constructed for barges and small boat traffic between Brunswick and Darien, but has been abandoned as such for many years and is no longer navigable even to row boats.

One mile east of Darien the ruins of "Fort King George" are to be found. This fort was built in 1721 by John Barnwell to hold the Altamaha River Area for England and to counteract French expansion in America. A monument marks the cemetery where the soldiers of the fort are buried. The fort is being restored by the "Fort King George Association" and archeological excavations adjoining the cemetery have uncovered the site of a Spanish mission.

It is believed that the field inspection is complete, however, due to road construction in the vicinity of Darien the Field Editor should be alert for changes there. The interior inspection was done on the 1:10,000 scale photography.

3. HORIZONTAL CONTROL

Originally, according to instructions, this quadrangle was to be compiled at 1:20,000 scale, and is covered in part by 1:20,000 scale nine-lens photography made in 1951 as well as complete coverage by single-lens 1:20,000 contact scale (and later furnished at 1:10,000 scale) photography also made in 1951, and partial coverage by 1:10,000 scale nine-lens photography made in 1952.

All stations in, and west of the quadrangle, which were within reach of the photography, were searched for and a sufficient number of these were identified to control the photographs. When the compilation scale was changed to 1:10,000, the 1952 1:10,000 nine-lens photography and ratio prints of the single-lens photographs at 1:10,000 scale were furnished, it became necessary to reidentify some stations where the old substitute stations were not discernible on the new photography.

Control established by the Georgia Geodetic Survey and the U. S. Engineer Department was identified along with that of this agency.

U.S.C. & G.S. Stations reported lost or destroyed are:

DARIEN RIVER HIGHWAY BRIDGE CENTER OF SPAN, 1933

BUTLER DAIRY N. SILO BUTLER ISLAND, 1933

ZUTA, 1917.

4. VERTICAL CONTROL

Sixteen second-order bench marks were established by this party. They are:

4 G 1 (G.G.S.)
4 G 8 (G.G.S.)
~~4 G 10 (G.G.S.)~~ DESTROYED - NEW STA. 4 G 16 RESET ESTABLISHED (1955)
~~4 G 11 (G.G.S.)~~ DESTROYED - NEW STATION 4 G 11 RESET ESTABLISHED (1955)
~~4 G 12 (G.G.S.)~~ REPORTED DESTROYED [redacted] FIELD EDITOR IN 1955
~~4 G 13 (G.G.S.)~~ DESTROYED - NEW STA. 4 G 13 RESET ESTABLISHED (1955)
B.M. USE 1945
DENT 1932
DENT 1932 RM 1
M 198
N 198
P 198
Q 198
R 198
S 198
TBM HIGHWAY BRIDGE, CHAMPNEY ISLAND, S. ALTAMAHA RIVER

In addition, the following bench marks that were established by the Georgia Geodetic Survey were used:

6 G 4
6 G 6
6 G 10
9 G 2

To supplement this control for contouring 25.2 miles of leveling was run using a Wye level and topo rods. No closure was more than 0.16 foot in error and no adjustments were made. Thirty eight level points were established and are numbered 66-1 to 66-38, inclusive.

5. CONTOURS AND DRAINAGE

All contouring was accomplished by using standard planetable methods with the aid of the stereoscope and all the contouring was done directly on the 1:20,000 scale single-lens photographs except (1) A small area on photographs 51-0-4314 and 4315 which was covered by clouds and shadows. This area was contoured on 1:20,000 scale nine-lens photograph No. 33298 and has been properly cross referenced. (2) That part of the quadrangle north of Darien River and a few small spoil islands east of the mainland were contoured on 1:10,000 scale single-lens photographs (after a change in instructions).

A small portion of the Naval Auxiliary Air Station, Glynco, Georgia, falls within the limits of this quadrangle. This area was contoured by private contractors at an interval of one foot, based on Georgia Geodetic Survey datum, in 1942. A copy of the plot plan showing the contours and other detail at a scale of 1:4800 was obtained from the Public Works Office at Glynco and forwarded to the Washington Office where it was reduced to a scale of 1:10,000 on a transparency. The contours were rigidly fixed along this junction and comparison proved the contours between the two to be in good agreement. Accuracy tests of these contours will be run in Quadrangle T-9955 since nearly all of the area falls in that quadrangle.

6. WOODLAND COVER

The woodland cover has been classified in accordance with Topographic Manual Part 11 and it is believed that due to the abrupt change in tone between trees and swamp, and the areas labeled, the compiler will experience little difficulty.

7. SHORELINE AND ALONGSHORE FEATURES

The mean-high water line is, for the most part, apparent; being either marsh or swamp, and has been classified and labeled on the 1:10,000 scale photography. It was impractical to locate the low-water line during this survey. The foreshore is mud almost entirely. There are no bluffs or cliffs except along the shoreline at Darien and these have been depicted by contours. Docks, wharves, piers, landings, etc. have been labeled. Two submarine cables cross Darien River (one on either side of bridge) and two east of the bridge (at site of old bridge) across South Altamaha River. The end poles have been located and labeled for each. It is believed that sufficient notes have been made on the photographs for all other alongshore features.

9. LANDMARKS AND AIDS

One landmark (the tank at Darien) exists in the quadrangle and has been reported on Form 567.

The fixed aids have been located in accordance with the project instructions and are reported on Form 567.

There are no aeronautical aids or interior landmarks in the quadrangle.

10. BOUNDARIES, MONUMENTS AND LINES

This will be covered in the "Special Report On Boundaries" which will be submitted by Mr. Richard L. McGlinchey, Cartographic Survey Aid, at a later date.

11. OTHER CONTROL

No recoverable topographic stations were established because (1) Due to the open nature of the marshes it is believed that control for future hydrographic surveys can easily be established by planetable from existing triangulation stations. (2) No natural or physical features that are suitable for recoverable topographic stations exist along these marsh shorelines.

12. OTHER INTERIOR FEATURES

Clearances for the four fixed bridges just south of Darien are shown on the photographs. Two of these are listed in supplement to 1941 edition of List of Bridges Over the Navigable Waters of the United States. The field measurements are in good agreement with those published therein. These two bridges have no overhead cables. The other two have overhead cables, but they are well above these fixed bridges, and are so labeled on the photographs.

13. GEOGRAPHIC NAMES

This is the subject of a special report which was submitted by Mr. Richard L. McGlinchey, Cartographic Survey Aid.

The maps showing the approximate location of schools and churches in this and other quadrangles in this project are a part of the Geographic Names Report as they also contain Geographic Names data.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

A plot plan of N.A.A.S., Glynco, Georgia, showing contours at one foot intervals, and other detail, as discussed under item 5, is a part of the data for this quadrangle.

26 November 1952
Submitted by:

George E. Varnadoe

George E. Varnadoe,
Cartographic Engineer

1 December 1952
Approved by:

Paul Taylor

Paul Taylor
Lt. Comdr., USC&GS
Chief of Party

The Photogrammetric Plot Report for this survey is part of the Descriptive Report for Survey No. T-9967.

Photogrammetry

MAP T- 9966 PROJECT NO. Ph-83 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE ° ' "	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
TER (USE) 1933	G-1804 pg.108	N.A. 1927	31 17 17.211			530.0 (1317.8)	
			81 23 59.657			1577.9 (9.1)	
MACKAY (USE), 1931	G-1892 pg. 41	"	31 16 18.889			581.7 (1266.1)	
			81 23 41.328			1093.3 (493.9)	
GATOR (USE), 1933	G-1804 pg.108	"	31 15 51.947			1599.8 (248.0)	
			81 23 15.163			401.2 (1186.2)	
WALLY, 1933	G-1804 pg. 95	"	31 16 40.770			1255.6 (592.2)	
			81 25 09.189			243.1 (1344.1)	
FREDERICA RIVER R.R. BEACON, NO. 1, 1933	" pg. 108	"	31 15 44.239			1362.4 (485.4)	
			81 23 32.959			872.0 (715.4)	
FREDERICA RIVER F. R. BEACON,NO. 2, 1933	"	"	31 15 42.953			1322.8 (525.0)	
			81 23 41.750			1104.5 (482.8)	
FREDERICA RIVER R. R. BEACON NO. 2, 1933	"	"	31 15 39.477			1215.8 (632.0)	
			81 23 45.795			1211.6 (375.8)	
DENT, 1932	G-1892 pg. 25	"	31 18 18.231			561.5 (1286.4)	
			81 27 42.010			1110.9 (475.7)	
DARIEN, 1906	" pg. 39	"	31 22 05.415			166.8 (1681.1)	
			81 25 57.739			1525.9 (59.7)	
ALTAMAHA 2, 1933	G-1804 pg. 96	"	31 19 56.128			1728.6 (119.3)	
			81 25 14.280			377.5 (1208.7)	
DARIEN LONGITUDE PIER, 1907	G-1892 pg. 39	"	31 22 05.498			169.3 (1678.6)	
			81 25 57.747			1526.1) (59.5)	
WOOD, 1933	G-1804 pg. 97	"	31 20 14.078			433.6 (1414.3)	
			81 26 14.258			376.9 (1209.2)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: J. Steinberg DATE 11 August 1952 CHECKED BY: H. R. Rudolph DATE 11 Sept. 1952

Photogrammetry

MAP T-9966 PROJECT NO. Ph-83 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE ° ' "	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
4 G-1, GGS	GGS Supp Pg.193	N.A. 1927	498,072.79	3,072.79	(1927.21)		936.59	(587.41)		
			728,792.48	3,792.48	(1207.52)		1155.95	(368.05)		
DARIEN WATERTANK, 1932	G-1892 Pg.39	"	31 22 09.82				302.4	(1545.5)		
			81 26 03.49				92.2	(1493.3)		
DARIEN METH. CHURCH SPIRE,1906	G-1903 Pg.135	"	31 22 07.320				225.4	(1622.5)		
			81 26 00.343				9.1	(1576.5)		
DARIEN EPISCOPAL CHURCH CROSS,1906	G-1903 Pg.134	"	31 22 04.753				146.4	(1701.5)		
			81 25 56.834				1502.0	(83.7)		
4G-8, GGS	GGS Supp Pg.193	"	476,087.03	1,087.03	(3912.97)		331.33	(1192.67)		
			720,049.80	49.80	(4950.20)		15.18	(1508.82)		
4G-10, GGS RESET SEE Page 17	GGS Supp Pg.194	"	~~468,247.38~~	~~3,247.38~~	~~(1752.62)~~		~~989.80~~	~~(534.20)~~		
			~~726,249.83~~	1,249.83	(3750.17)		380.95	(1143.05)		
SHEPPERD, 1933	G-1804 Pg.96	"	31 21 50.043				1541.2	(306.7)		
			81 24 59.468				1571.6	(14.1)		
4G-11GGS RESET SEE Page 17	~~GGS Supp Pg.194~~	"	~~464,790.31~~	~~4,790.31~~	(209.69)		~~1460.09~~	~~(63.91)~~		
			~~727,691.40~~	2,691.40	~~(2308.60)~~		820.34	~~(703.66)~~		
~~4G-12GGS~~ Destroyed	"	"	~~460,912.75~~	912.75	(4087.25)		~~278.21~~	~~(1245.79)~~		
			~~728,058.01~~	3,058.01	~~(1941.99)~~		~~932.08~~	~~(591.92)~~		
LONG, 1933	G-1804 Pg.96	"	31 21 34.581				1065.0	(782.9)		
			81 24 12.602				333.1	(1252.7)		
4G-13, GGS RESET SEE Page 17	GGS Supp Pg.194	"	~~455,519.83~~	~~519.83~~	~~(4480.17)~~		~~158.44~~	~~(1365.56)~~		
			~~725,427.07~~	427.07	(4572.93)		130.17	~~(1393.83)~~		
9G-2, GGS	GGS Pg.203	"	475,247.87	247.87	(4,752.13)		75.55	(1,448.45)		
			719,086.60	4,086.60	(913.40)		1245.60	(278.40)		

1 FT. = .3048006 METER

COMPUTED BY: J. C. Cregan DATE 8 January 1953 CHECKED BY: H. R. Rudolph DATE 14 April 1953

M-2388-12

MAP T- 9966 PROJECT NO. Ph-83 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
Sub. Pt. 4G-13, GGS			455,261.63	261.63	(4738.37)		79.7	(1444.3)		
			725,598.44	598.44	(4401.56)		182.4	(1341.6)		
Sub. Pt. 6G-9, GGS			469,054.22	4,054.22	(945.78)		1235.7	(288.3)		
			708,849.37	3,849.37	(1150.63)		1173.3	(350.7)		
Sub. Pt. "A" 6G-9, GGS			469,072.22	4,072.22	(927.78)		1241.2	(282.8)		
			708,734.55	3,734.55	(1265.45)		1138.3	(385.7)		
Sub. Pt. 4G-5, GGS			487,562.95	2,562.95	(2437.05)		781.2	(742.8)		
			723,540.43	3,540.43	(1459.57)		1079.1	(444.9)		
Sub. Pt. 6G-7, GGS			470,269.71	269.71	(4730.29)		82.2	(1441.8)		
			710,731.27	731.27	(4268.73)		222.9	(1301.1)		
6G-1, GGS	GGS Supp Pg.199	N.A. 1927	476,230.29	1,230.29	(3769.71)		374.99	(1149.01)		
			719,149.88	4,149.88	(850.12		1264.88	(259.12)		
6G-2, GGS	"	"	476,875.12	1,875.12	(3124.88)		571.54	(952.46)		
			718,753.39	3,753.39	(1246.61)		1144.03	(379.97)		
6G-4, GGS	GGS Supp Pg.199	"	476,826.52	1,826.52	(3173.48)		556.72	(967.28)		
			716,543.76	1,543.76	(3456.24		470.54	(1053.46)		
6G-6, GGS	"	"	470,966.18	966.18	(4033.82)		294.49	(1229.51)		
			711,500.48	1,500.48	(3499.52)		457.35	(1066.65)		
6G-7, GGS	"	"	470,311.99	311.99	(4688.01)		95.09	(1428.91)		
			710,750.37	750.37	(4249.63)		228.71	(1295.29)		
6G-8, GGS	"	"	469,614.89	4,614.89	(385.11)		1406.62	(117.38)		
			709,335.24	4,335.24	(664.76)		1321.38	(202.62)		
6G-9, GGS	"	"	469,015.05	4,015.05	(984.95)		1223.79	(300.21)		
			708,668.97	3,668.97	(1331.03)		1118.30	(405.70)		

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: J. C. Cregan DATE 8 Jan. 1953 CHECKED BY: H. R. Rudolph DATE 14 April 1953

Photogrammetry

MAP T-9966 PROJECT NO. Ph-83 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE ° ' "	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
Sub. Pt. 4G-11, GGS			464,151.19	4,151.19	(848.81)		1265.3	(258.7)		
			727,706.70	2,706.70	(2293.30)		825.0	(699.0)		
Sub. Pt. DARIEN, 1906			31 21				1846.6	(1.3)		
			81 25				1075.1	(508.7)		
Sub. Pt. CUT, 1933			31 20				537.5	(1310.4)		
			81 23				219.9	(1366.2)		
Sub. Pt. ALTAHAMA 2, 1933			31 19				1723.5	(124.4)		
			81 25				409.5	(1176.7)		
Sub. Pt. LONG, 1933			31 21				1081.5	(766.4)		
			81 24				345.6	(1240.2)		
BUTLER'S RICE MILL CHIMNEY, 1858	G-1804 Pg.97	N.A. 1927	31 21 15.593				480.2	(1367.6)		
			81 26 45.391				1199.7	(386.1)		
4G-5, GGS	GGS Supp. Pg.193	"	487,995.78	2,995.78	(2004.22)		913.1	(610.9)		
			723,401.44	3,401.44	(1598.56)		1036.8	(487.2)		
CUT, 1933	G-1804 Pg. 96	"	31 20 18.871				581.2	(1266.7)		
			81 23 11.186				295.7	(1290.4)		
Sub. Pt. WALLY, 1933			31 16				1255.5	(592.3)		
			81 25				299.7	(1287.5)		
Sub. Pt. "A" DENT, 1932			474,316.80	4,316.80	(683.20)		1315.8	(208.2)		
			720,627.84	627.84	(4372.16)		191.4	(1332.6)		
Sub. Pt. "B" DENT, 1932			475,055.63	55.63	(4944.37)		17.0	(1507.0)		
			720,433.37	433.37	(4566.63)		132.1	(1391.9)		
PERRY, 1933	G-1804 Pg.96	N.A. 1927	31 21 23.420				721.3	(1126.6)		
			81 22 31.442				831.0	(754.8)		

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: H. R. Rudolph DATE 16 April 1953 CHECKED BY: A. Queen DATE 17 April 1953

Photogrammetry

MAP T-9966 PROJECT NO. Ph-83 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE ° ' "	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
Sub. Pt. PERRY, 1933			31 21			666.1 (1181.8)	
			81 22			874.9 (710.9)	
BUTTER, 1933	G-1804 Pg.95	N.A. 1927	31 18 55.987			1724.3 (123.6)	
			81 23 24.305			642.6 (943.9)	
4G10 RESET, 1955		"	468,312.72				
			726,312.70				
4G11 RESET, 1955		"	464,812.53				
			727,753.96				
4G13 RESET 1955	Pg. 93		455 470.90				
			725,494.91				

1 FT. = .3048006 METER

COMPUTED BY: H. R. Rudolph DATE 16 April 1953 CHECKED BY: A. Queen DATE 17 April 1953

M-2388-12

COMPILATION REPORT
T-9966

Photogrammetric Plot Report:

The Photogrammetric Plot Report for this survey is part of the Descriptive Report for Survey No. T-9967.

31. DELINEATION

This manuscript was delineated by graphic methods.

Swamp limits were not furnished by field inspection but were delineated in the compilation office stereoscopically.

32. CONTROL

Refer to Photogrammetric Plot Report, Paragraph 23.

33. SUPPLEMENTAL DATA

Map of McIntosh County - Map I.

Map of Glynn County - Map F.

Geographic name standard dated 11/26/52 on Corps of Engineers Darien Quadrangle.

Map of U. S. Naval Auxiliary Air Station, Glynco, Georgia shows contours in the reservation.

Boundary Report for limits of old Fort King George, City of Darien, and the county boundaries.

34. CONTOURS AND DRAINAGE

Contours in the area of the U. S. Naval Auxiliary Air Station were furnished by the field party on a copy of the plot plan of the station at a scale of 1:4800. These contours were delineated from a film positive at a scale of 1:10,000. Refer to Field Report, page 10.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate.

Some LWL was interpreted from the 1:20,000 scale nine-lens photography.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 are being submitted for one landmark and 22 aids to navigation. Three of these aids are triangulation stations and the remainder were located in the field by theodolite cuts which involved occupying several photo points located by radial plot. Therefore, the method of location indicated on Form 567 was by radial plot.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Satisfactory junction has been made with T-9964 to the north, T-9967 to the east and T-9955 to the south. There is no contemporary survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to Photogrammetric Plot Report.

41. - 45.

Inapplicable

46. COMPARISON WITH EXISTING MAPS

Corps of Engineers, DARIEN quadrangle, scale 1:62,500 edition of 1921, reprinted 1937.
USC&GS T-5122 (1933) scale 1:20,000.
USC&GS T-5221 (1933) " 1:10,000.
USC&GS T-5222 (1933) " 1:10,000.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 575, scale 1:40,000, published Sept. 1941, corrected to 11/9/51.

Items to be applied to nautical charts immediately:
None.
Items to be carried forward:
None.

Approved and Forwarded

E. H. Kirsch.
E. H. Kirsch, Comdr. USC&GS
Officer in Charge

Respectfully submitted
3 May 1954

Joseph W. Vonasek
Joseph W. Vonasek
Carto. (Photo.)

Form T-2

50 -

PHOTOGRAMMETRIC OFFICE REVIEW

T-9966

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) None 7. Photo hydro stations None 8. Bench marks ✓
9. Plotting of ~~sextant fixes~~ Theodolite ✓ 10. Photogrammetric plot report ✓ 11. Detail points ✓

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line ✓ 14. Rocks, shoals, etc. None 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. 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 None 30. Other cultural features ✓

BOUNDARIES

31. Boundary lines ✓ 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. Glaser — Reviewer; Joseph 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.

R. Glaser by L&B. — Compiler; F. Gazzo by L. & B. — Supervisor

43. Remarks:

M-2623-12

FIELD EDIT REPORT
Project 6083
Quadrangle T-9966

The field edit of this quadrangle was accomplished during the months of February and March 1956.

51. METHODS

The inspection of the quadrangle was accomplished by traversing all roads passable by truck, walking to other 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 sheets.

Two 1:10,000 scale double-weight matte prints are submitted as field edit sheets. One additional double-weight matte print, which covers a section of the S/2, is submitted with the information on aids to navigation.

Twenty-six photographs, on which field edit information has been shown, are listed as follows:

Single lens scale 1:20,000	Single lens scale 1:10,000	Nine lens scale 1:20,000	Nine lens scale 1:10,000
51-0-4315	51-0-4284	33298	34834
51-0-4640	51-0-4310	33299	34862
51-0-4641	51-0-4311		35036
51-0-4642	51-0-4312		
51-0-4643	51-0-4312A		
51-0-4644	51-0-4315		
51-0-4692	51-0-4641		
51-0-4695	51-0-4642A		
51-0-4696	51-0-4643		
	51-0-4645		
	53-0-1192		
	53-0-1193		

52. ADEQUACY OF COMPILATION

The compilation was adequate with the exception of the corrections and additions indicated by the field edit data. It is believed the compilation will be complete after these are applied.

The original field inspection of swamps, intermittent ponds and woodland was generally poor. The photographic quality of the contour photographs was sub-standard, which necessitated inspection and reclassification of a large number of areas. These areas were treated as outlined by Bureau letter 711-aal, dated 11 August 1952. Special attention is invited to the many small swamps and intermittent ponds. These features are swamp unless otherwise noted. Some are depicted by depression contours.

The State of Georgia purchased about 8,500 acres of land in 1954 for a waterfowl area. This area lies just south of Darien and is composed of several marsh islands situated along both sides of U. S. Highway 17. The official name is: Altamaha Waterfowl Management Area. The boundaries have been indicated on photographs 51-0-4284, 33299 and 34834. A legal description of the boundary of this area is submitted with the field edit data. The legal description was found to be vague in places, especially along the offshore limits and around several small marsh islands. This boundary line was delineated with the aid of the Superintendent, Mr. Philip Cannon, who states that the boundary limits extend out to the low-water line.

The U. S. Naval Air Station at Glynco, Georgia has enlarged its boundaries since the original field inspection. A new airfield has been constructed and many other cultural changes have been made. The boundaries are outlined on 1:10,000 scale photographs 53-0-1192 and 1193. A blueprint of the boundary limits will be submitted with the field edit data for quadrangle T-9955.

The portion of U. S. Highway 17 in this quadrangle has been under construction. The shoulders of the road have been widened about 20 feet, and in some instances the curves have been changed and straightened. In 1955 this party moved three Georgia Geodetic Survey marks (4 G 10, 4 G 11 and 4 G 13) because of this construction. The descriptions, recovery notes and computations were forwarded to Division of Geodesy in March 1955. Since that date, traverse station 4 G 12 of the Georgia Geodetic Survey, has been destroyed. Duplicate forms 526 and 685 are submitted with the field edit data of this quadrangle.

The Georgia Power Company has recently constructed overhead cables along U. S. Highway 17 at the South Altamaha and Darien Rivers. The original submarine cables have not been removed.

Several fixed aids to navigation were questioned on the discrepancy prints. All of these were verified with the exception of

Buttermilk Sound Light 219 and Frederica River Daybeacon 227. The positions of these aids to navigation were determined by graphic methods on a section of the double-weight matte print, S/2. Form 567 is submitted with the data for this sheet.

Several areas within the quadrangle, which appear as open on the photographs, have been classified as trees. The photographs no longer represent the conditions on the ground.

53. MAP ACCURACY

The horizontal positions of map detail appear to be good. There were, however, a number of irregularities noted in the contouring. The irregularities consist mainly of the shaping of the contours and their conformity to the swamp limits. In no case does this seriously affect the accuracy. Numerous changes have been made, but there are others which should be remedied before smooth drafting to improve the appearance of the final map.

No vertical accuracy tests were requested and none were made.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Mr. D. C. Chapman of the Soil Conservation Service has agreed to examine a proof copy of this quadrangle for possible errors. His address is: Department of Agriculture, Soil Conservation Service, Darien, Georgia.

Several geographic names were corrected and added during field edit. These corrections were made after a very thorough investigation, consulting many county, state and federal maps and local people.

ALTAMA PLANTATION is shown in the Geographic Names Report for the project as ALTAMA. This is a large plantation, which is well known locally. The name ALTAMA PLANTATION is recommended instead of ALTAMA.

BLACK ISLAND CREEK is shown in the Geographic Names Report for the project as a Disputed Base Map Name with SNOW CREEK. In that report SNOW CREEK was recommended. Due to that fact, a most thorough investigation was made and only a few people

knew this creek as SNOW CREEK; however, everyone contacted had heard of or used the name BLACK ISLAND CREEK. It is believed that BLACK ISLAND CREEK would be the better name and is therefore recommended to replace SNOW CREEK.

See Mr. Heck's Report of 11/18/57 → Page 25 of this Report

CHAMPNEY RIVER is shown in the Geographic Names Report for the project as a Disputed Name with MIDDLE RIVER. This investigation has found the name is also in dispute with ALTAMAHA RIVER to the east. The name CHAMPNEY RIVER is in well established usage and applies to that portion of the river from SOUTH ALTAMAHA RIVER to BUTTERMILK SOUND.

COUPER RIVER is shown in the Geographic Names Report for the project as a Disputed Name with ALTAMAHA RIVER. This is a part of the main branch of the ALTAMAHA RIVER, and is known as such by the local inhabitants and fishermen. The name COUPER RIVER is not recommended.

COW ISLAND is not listed in the Geographic Names Report for the project. The name of this island had been shown as BLACK ISLAND and questioned on the discrepancy print. BLACK ISLAND is a well established name which applies to a larger island located nearby. The name COW ISLAND is well known by local inhabitants and is recommended.

HOFWYL is shown in the Geographic Names Report for the project as an Undisputed Base Map Name. The name applies to a plantation and is known in only a very narrow sense. It is not recommended.

HOPETON PLANTATION is not shown in the Geographic Names Report for the project. It is located west of ALTAMA PLANTATION and out of the project. The name is not recommended.

LITTLE BROUGHTON ISLAND is not listed in the Geographic Names Report for the project. The name of this island was questioned on the discrepancy print. It is well known by local inhabitants as LITTLE BROUGHTON ISLAND and is recommended.

PICO ISLAND is not listed in the Geographic Names Report for the project. It is well known by local inhabitants and is recommended.

POTOSI ISLAND is not listed in the Geographic Names Report for the project. It is well known locally and is recommended.

RABBIT ISLAND is shown in the Geographic Names Report for the project as an Undisputed Base Map Name. This name was found to be misplaced. It applies to a larger island to

the east. The name is well known and is recommended. The small island, formerly shown as RABBIT ISLAND, is known in a very narrow sense as LITTLE RABBIT ISLAND. This latter name is not recommended.

See Mr. Hecks Report of 11/18/57 Page 25 of this Report →

RHETTS ISLAND is not listed in the Geographic Names Report for the project. The name is well known and is recommended. It covers that portion of the island formerly known as GENERALS ISLAND, from GENERALS CUT to THREEMILE CUT. The name GENERALS ISLAND is in well established usage. It applies to the area west of GENERALS CUT.

The following list of local residents assisting in this investigation by no means reflects its entire scope nor all of the people contacted:

Authorities

Mr. R. S. Townsend Darien, Georgia	Fisherman & local resident for sixty years
Mr. R. J. Young, Jr. Darien, Georgia	Tax Collector & local resident for fifty years
Mr. Paul J. Varner Darien, Georgia	Attorney & local resident for forty years
Mr. D. C. Chapman Darien, Georgia	Soil Conservationist & resident for ten years
Mr. Clarence Woods RFD 1, Box 34X Brunswick, Georgia	Fisherman & local resident for forty years
Mr. Burt Gale Darien, Georgia	Fisherman & local resident for forty years
Mr. Philip Cannon Altamaha Waterfowl Management Area Darien, Georgia	Superintendent of Altamaha Waterfowl Management Area and resident for two years

16 MAR 1956
Submitted by:

Joseph K. Wilson
Joseph K. Wilson
Cartographer

16 MAR 1956
Approved and Forwarded:

Ira R. Rubottom
Ira R. Rubottom
Comdr., C & GS
Chief of Party

List of approved name changes based upon the Field Inspection Report for T-9966, dated 3-16-56.

1) Change Altama to Altama Plantation.

2) Change Snow Creek to Black Island Creek

3) Champney River: leave the name as now applied on the map manuscript. The much larger application recommended by the report should not be made until after a BGN decision (which will be asked for)

(As applied by Comp. office)

4) Delete Couper River, as recommended. It will be deleted also from nautical chart 1242.

5) Apply Cow Island to the smaller island east of the south end of Black Island, as recommended by the report.

6) Delete Hofwyl, as recommended.

7) Deletion of Hopeton Plantation approved

8) Little Broughton Island is approved, as recommended in the report.

9) Pico Island, a new name, is approved

10) Potosi Island, a new name, is approved. Note that it should also be added to the adjoining sheet T-9964.

11) Shift of the name Rabbit Island to the larger island to eastward is approved.

12) Do not apply Rhetts Island pending a BGN decision, leaving the name Generals Island as originally shown on T-9966 (as well as nautical charts and all other maps). The newly reported name could be due to a change in the ownership of the island. If such is the case and the new owner is living, the BGN would not be likely to approve Rhetts Island.

Rhetts Island applied in Comp. Office as recommended by field editor. Changed to Generals Island during final Review

454 [illegible]
11-18-57

Corrections recommended (Items 3 & 12)
Were made during final Review
11/18/57 J.H.O.

REVIEW REPORT
TOPOGRAPHIC SURVEY T-9966
DECEMBER 1957

62. Comparison with Registered Topographic Surveys

T-3780	1:20,000	1919	T-5221	1:10,000	1934
T-4122	1:20,000	1919	T-5222	1:10,000	1934
T-5123	1:20,000	1933			

T-9966 supersedes these prior surveys for nautical charting for the area it encompasses.

63. Comparison with maps of other agencies

Darien (controlled reconnaissance sheet)
1:62,500 1912
This map is outdated.

64. Comparison with contemporary Hydrographic Surveys

None.

65. Comparison with Nautical Charts

575	1941	revised June 6, 1955
840	1955	revised January 2, 1955
1242	1946	revised September 3, 1956

No major changes were noted.

66. Adequacy of Results and Future Surveys

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

67. Geographic Names

The geographic names Champney River and Generals Island have been applied as recommended by the Geographic Names Section. A BGN decision on the names has been requested.

68. Aids to Navigation

Two aids were moved subsequent to Range field edit. The aids (Buttermilk Sound Range Front and Rear Daybeacons 218) are positioned as indicated in the Notice to Mariners (May 5, 1956) on chart 840.

69. Boundaries

The compiled city limits of Darien represent the most probable location based on the legal description. The limits are labeled approximate on the manuscript. This is discussed in detail in the review report for T-9964.

The Altamaha Waterfowl Management area boundary line was delineated on the field photographs by the field editor with the assistance of the reservation superintendent. For the greatest part the boundary line was placed in a position offshore and immediately adjacent to the apparent water line. The field editor's attempt to follow the low water line where it extended to a considerable distance offshore was based on a statement by the superintendent to the effect the boundary limits extend to the low water line. No mention is made of the low water line in the legal description.

During final review sections of the boundary line were moved. The entire boundary (labeled approx.) is now in a position offshore and immediately adjacent to the apparent or MHW line. The decision to move the line was based on: (1) The stage of the tide at the time the photographs were taken was 3.5 feet above MLLW. (2) The older hydrographic surveys indicate considerable change in the low water line and/or errors in the low water line interpreted by photogrammetric methods.

Reviewed by:

S. G. Blankenbaker
S. G. Blankenbaker

Approved by:

L C Lande
Chief, Review & Drafting Section
Photogrammetry Division

Wallace A. Bruder
for Chief, Nautical Charts
Charts Division

for
Chief, Photogrammetry Division

Chief, Coastal Surveys
Division

T-9966

48. GEOGRAPHIC NAMES

Altama Plantation
Altamaha River
Altamaha Waterfowl Management Area
Black Island
Boys Estate ← Black Island Creek
Broadfield
Broughton Island
Brunswick Altamaha Canal (Aband.)
Butler Island ~ Butler Cemetery
Butler River
Buttermilk Sound

Cambers Island
Carrs Island
Catfish Creek
Cathead Creek
Champney Island
Champney River *
~~Couper River~~ Removed
Cow Pen Road ~ Cow Island

Darien
Darien Creek
Darien River
Dents Creek

Evelyn
Freedmon Cemetery
Frederica River
Fridaycap Creek

Generals Cut
Generals Island
Georgia 99 (highway)
Georgia 131
Glynn County
Grant Creek
Grants Ferry Road

Hammersmith Creek
~~Hofwyl~~ Removed
~~Hopeton Plantation~~ Removed
Indian Cemetery
Intracoastal Waterway
Little Broughton Island
Little St. Simons Island
Long Reach

Mackay River
May Hall Creek
May Hall Island
McIntosh County
Minnow Creek

Needwood Church
New Hope
North and South Reach

Old Fort King George

Pico Cut — Pico Island
Piney Island
Potosi Island
Rabbit Island ~ Petersville Cem
Reaphook Bend
Rockdedundy I. Rhetts Island *
Shell Road
~~Snow Creek~~ Removed
South Altamaha River
South Branch
Santo Domingo Mission Ruins
Threemile Cut
Troup Creek
U.S. 17
U.S. Naval Auxiliary Air Station

* Wallys Leg
Wilson Creek
Wood Cut
Wrights Island

Needwood Sch.
Needwood Ch.
Butler Cem.
Indian Cem.
St. Paul Ch.

Names approved
Subject to Field Edit
9-24-54
a.d.w.

* See Mr. Heck's Report of 11/18/57
Page 25 of this Report

*Spelled "Wally Leg" on T-5222 and Glynn County Map.

Form 567
April 1945

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 May 19 54

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

(Signed) E. H. Kirsch

E. H. Kirsch, *Chief of Party.*

STATE: GEORGIA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	POSITION LATITUDE* ″ D.M. METERS	POSITION LONGITUDE* ° ′	POSITION LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
TANK	(ELEVATED) ht = 108 (133) ft. (Darien Water Tank, 1932) ✓		31 22	09.82 302.4	81 26	03.49 92.2	NA 1927	~~T-9966~~ Triang.	1952		x		574, 575

PAGE 2

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

M-2836-3

Form 567
April 1945

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, May, 1954

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

The positions given have been checked after listing by R. Glaser

* See final review report (AIDS TO NAVIGATION)

(Signed) E. H. Kirsch

E. H. Kirsch, *Chief of Party.*

STATE: GEORGIA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
DAYBEACON 214	Buttermilk Sound Daybeacon		31 19	13.83 426	81 22	51.32 1357	N.A. 1927	T-9966 Rad.Plot	1952	X	X		575, 840
LIGHT 216	Buttermilk Sound Light		31 18	53.83 1658	81 23	25.87 684	"	"	"	x	x		" "
FRONT RANGE 218	" " Range Front Daybeacon	*	31 18	45.39 1398	81 23	37.52 992	"	"	"	x	x		" "
FRONT RANGE 220	" " Range Front Daybeacon		31 18	13.80 422	81 24	06.92 183	"	"	"	x	x		" "
REAR RANGE 220	" " Range Rear Daybeacon		31 18	18.48 569	81 24	09.72 257	"	"	"	x	x		" "
DAYBEACON 220A	" " Daybeacon		31 17	41.01 1263	81 23	51.99 1375	"	"	"	x	x		" "
LIGHT 221	Frederica River Light		31 17	33.70 1038	81 23	43.22 1143	"	"	"	x	x		" "
FRONT RANGE 221A	" " Cut Range Front Light		31 17	47.41 1460	81 23	06.43 170	"	"	"	x	x		" "
REAR RANGE 221A	" " Cut Range Rear Daybeacon		31 17	01.40 43	81 23	01.44 38	"	"	"	x	x		" "
FRONT RANGE 221B	" " Cut Range Front Daybeacon		31 17	12.05 371	81 23	13.31 352	"	"	"	x	x		" "
REAR RANGE 221B	" " Cut Range Rear Daybeacon		31 17	15.72 484	81 23	15.12 400	"	"	"	x	x		" "
DAYBEACON 222	" " Daybeacon		31 17	04.61 142	81 23	14.90 394	"	"	"	x	x		" "
LIGHT 223	Frederica River Light		31 16	36.89 1136	81 23	00.30 8	"	"	"	x	x		" "
FRONT RANGE 225	Frederica Cut Range Front Light		31 15	51.40 1583	81 23	28.46 753	"	"	"	x	x		" "

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

M-2836-3

PAGE 30

Form 567
April 1945

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, May, 1954

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

The positions given have been checked after listing by R. Glaser

(Signed) E. H. Kirsch

E. H. Kirsch, *Chief of Party.*

STATE: GEORGIA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
REAR RANGE 225	Rear Frederica Cut Range Daybeacon		31 15	44.239 1362.4	81 23	32.959 872.0	N.A. 1927	Triang.	1952	X	X		575, 840
DAYBEACON 227	Frederica River Daybeacon Next page		31 16	17.37 535	81 23	09.60 254	"	Rad. Plot	"	X	X		" "
FRONT RANGE 228	Range Front Frederica River Daybeacon		31 15	42.953 1322.8	81 23	41.750 1104.5	"	Triang.	"	X	X		" "
REAR RANGE 228	Range Rear Frederica River Daybeacon		31 15	39.477 1215.8	81 23	45.795 1211.6	"	"	"	X	X		" "
DAYBEACON 229	Mackay River Cut-off Daybeacon		31 15	33.09 1019	81 23	40.37 1068	"	Rad. Plot	"	X	X		" "
LIGHT 231	Mackay River Cut-off Light		31 15	22.60 696	81 23	42.48 1124	"	"	"	X	X		" "

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M-2836-3

* TABULATE SECONDS AND METERS

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

~~TO BE CHARTED~~
TO BE DELETED } STRIKE OUT ONE

Brunswick, Georgia
Baltimore, Maryland

17 Feb., 1956
April, 19 54

I recommend that the following objects which ~~have~~ *(have not)* been inspected from seaward to determine their value as landmarks be ~~charted on~~ *(deleted from)* the charts indicated.

The positions given have been checked after listing by R. Glaser / Harry R. Rudolph

Ira. R. Rubottom
(Signed) E. H. Kirsch
E. H. Kirsch, *Chief of Party.*

STATE	GEORGIA		POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE*		LONGITUDE*								
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	″ D.M. METERS	° ′	″ D.P. METERS	DATUM						
~~REAR RANGE 218~~	~~Buttermilk Sound Daybeacon~~		~~31 18~~	~~1562~~	~~81 23~~	~~893~~	~~NA 1927~~	~~Rad.Plot~~	~~1952~~	~~x~~	~~x~~		~~575, 840~~
	~~(See Notice to Mariners~~		~~No. 13 - 27 March 1954. Page 568)~~										
~~LT 219~~	~~Buttermilk Sound Light~~		~~31 18~~	~~256~~	~~81 23~~	~~1564~~	~~NA 1927~~	~~T-9966 Rad.Plot~~	~~1952~~	~~x~~	~~x~~		~~575, 840~~
	~~(See Notice to Mariners~~		~~No. 17 - 24 April 1954. Page 767)~~										
LT 219	Buttermilk Sound Light		31 18	09.68 298	81-23	56.64 1498	NA 1927	Plane-table	1956	X	X		575 840
Daybeacon 227	Frederica River Daybeacon		31 16	17.18 529	81-23	10.02 265	"	"	"	X	X		575 840
Rear Range 218	Buttermilk Sound Daybeacon	*	31 18	1562	81-23	893	"	Rad. Plot	1954	X			575 840

* See final review Report (AIDS TO NAVIGATION)

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

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NAUTICAL CHARTS BRANCH

SURVEY NO. T-9964

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
5/4/60	575	Helmer	~~Before~~ After Verification and Review Exam. No corrections at this time
8-2-62	574	G.R. Johnson	~~Before~~ After Verification and Review Fully Applied
7-29-70	575	C.P. Reeve	Before After Verification and Review Exam No corrections at this time
3-15-75	575	E Badaunoc	~~Before~~ After Verification and Review Exam. Consider adequately applied
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.