

5128

U. S. COAST & GEODETIC SURVEY
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Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic } Sheet No. 5128
~~Hydrographic~~

State Georgia

LOCALITY
St Andrew Sound
~~Georgia East Coast~~

~~Todd Creek~~ Crooked River

1935

CHIEF OF PARTY

S. B. Grenell

U. S. GOVERNMENT PRINTING OFFICE: 1934

5128

applied to new chart 448 (thru chart 841) July 1937 J.S.L.
" " " " 448 - died (west of 81°34') March, 1938 J.S.L.

applied to chart 1242 Mar. 16, 1939 G.H.S.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No.

REGISTER NO. 5128

State Georgia

General locality St Andrew Sound
Georgia East Coast

Locality Todd Creek to Crooked Creek
River

Scale 1:20,000 Date of photographs: 10-13-33; 9-22-33; 9-21-33
survey Comp.: 19

Vessel Aerial Photo Compilation Party No. 18

Reviewed and recommended for approval:

Chief of party Lieut. (j.g.) S. B. Grenell

Photographs plotted by:-

~~Surveyed by~~ F. B. Hickman

Inked by R. C. Schrimper & J. B. Williams, Jr.

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated November 10, 1933, 19

Remarks: Compilation of aerial photos Nos.: - M-68 1 to 14;

M-67 1 to 4; M-66 120 to 133. Blue print scale 1:21,616 registered

--NOTES OF COMPILATION--

One copy of this form must accompany each chart from beginning to completion. The last draftsman, whose name appears on this form, is responsible for it and all personnell will endeavor to keep these forms up to date and correctly posted. This form is very important inasmuch as the final Descriptive Report of the chart compiled is based upon the information contained herein.

SHEET No. 5128

	M-68 1	14
	PHOTO NO. <u>M-67 1</u> to PHOTO NO. <u>4</u>	
	M-66 120	133
BY	START	FINISH
ROUGH RADIAL PLOT <u>B. B. Lewis</u>		
SCALE FACTOR (.925) <u>B. B. Lewis</u>		
SCALE FACTOR CHECKED <u>S. B. Grenell</u>		
PROJECTION <u>M. Gruber</u>	10-10-34	10-10-34
PROJECTION CHECKED <u>S. B. Grenell</u>		10-10-34
CONTROL PLOTTED <u>A. A. Futral</u>	10-11-34	10-11-34
CONTROL CHECKED <u>W. R. Taylor, Jr.</u>	10-11-34	10-12-34
TOPOGRAPHY TRANSFERRED From Smooth Hydro Sheets	Various Times	
TOPOGRAPHY CHECKED <u>S. B. Grenell</u>	"	"
SMOOTH RADIAL LINE PLOT <u>F. B. Hickman</u>	10-23-34	11-21-34
RADIAL LINE PLOT CHECKED <u>S. B. Grenell</u>		
DETAIL INKED <u>R. C. Schrimper & J. B. Williams, Jr.</u>	12-10-34	3-26-35
AREA DETAIL INKED <u>131.1</u>	Square Statute Miles	
LENGTH OF SHORE LINE OVER 200m. <u>23.9</u>	Statute Miles	
LENGTH OF SHORE LINE UNDER 200m. <u>62.4</u>	Statute Miles	
GENERAL LOCATION <u>St Andrew Sound</u>		
	<u>Georgia East Coast</u>	
LOCATION <u>Todd Creek to Crooked River</u>		
DATUM STATION <u>Ceylon 1932</u>	LATITUDE <u>30-56 00.919 (28.3 M)</u>	
DATUM <u>N. A. 1927</u>	LONGITUDE <u>81-38 01.641 (43.6M)</u>	(adjusted)

REPORT OF COMPILATION:-

Compilation Method:-

This sheet was compiled by the standard radial line plot method and was well controlled by triangulation and traverses.

There was no particular trouble experienced in the plotting of this sheet except for breaks in flights M67 and M68.

ADJUSTMENT OF PHOTOGRAPHS:-

Only small difficulty was experienced in the adjusting of photographs and these were overcome by the system of interlacing to obtain additional points. The pictures had only the average amount of tilt.

INTERPRETATION:-

The photographs were fairly clear, causing no trouble with the interpretation of detail. Swamp areas on this compilation have been carefully followed out and shown with the standard symbol.

Standard topographic symbols were used throughout this compilation.

INFORMATION FROM OTHER SOURCES:-

The photographs and field sketches were the only source of information used on this sheet.

COMPARISON WITH CONTEMPORARY SURVEYS:-

Junctions with adjoining sheets compiled in this office are complete and satisfactory. There are no details on the charts that should be removed.

ACCURACY AND COMPLETENESS:-

The area covered on this sheet is complete in every detail as nearly as can be determined from the photographs. All well defined detail is located with a probable error of not more than 40 meters; less well defined detail with an error of not more than 10 meters.

See Review

PHOTOGRAPHS:-

<u>No.</u>	<u>to</u>	<u>No.</u>	<u>Date</u>	<u>Time</u>	<u>Stage of Tide</u>
M-68	1	14	10-13-33	9:10 AM	1/4
M-67	1	4	9-22-33	9:20AM	5/7
M-66	120	133	9-21-33	9:10AM	6/7

Approved
[Signature]

[Signature]
C. B. Williams, Jr.
Draftsman

2

INSPECTION REPORT
for
COMPILATION No. 5128
Scale: 1:20,000

REFERENCE:*

In reviewing this sheet in the Washington office reference should be made to the General Report for 5-Lens Compilations forwarded with compilation 5114.

GENERAL INFORMATION:-

This compilation covers the general area between the upper portions of the Satilla River and Todd Creek on the north and the Crooked River on the south. The land area is in general flat and sandy and covered with a mixed growth of pine and deciduous growth which has been partially logged off in places. The intervening swamps are partly cypress and partly gum and other mixed deciduous growth and have been carefully shown with swamp symbol.

TOPOGRAPHIC DETAIL:-

The shoreline and marsh detail is similar in character to all of that feature found along this section of coast and requires no special comment. All definite features such as roads, railroads etc. have been carefully compiled and are clearly noted.

FIRE TOWER:-

I In Lat. 30 - 55.5; Long. 81 - 35.5 the Forest View Fire Tower was tied in on the photographs as has been cut in by radial plot and is shown by a 3 m.m. circle.

MARKED TOPOGRAPHIC STATIONS:-

The following named topographic stations have been plotted on the compilations from the descriptive cards furnished by H. A. Paton, 1934. All detail has been checked against measurements given on the cards. The compiler has made a notation on the bottom of each card in pencil any pertinent information relative to the comparison between photo compilation and description.

MIN, MAY, MAR, EBB, ANT, KID, BID, NOW, WAG.

CONTROL:-

This compilation was controlled entirely from triangulation and traverse stations of the following sources:

First Order Arc, C. D. Meaney, 1932
Coordinating Scheme, C. M. Durgin, 1933
Traverse by Compilation Party No. 18, 1934

The traverse was run with theodolite and tape along the main highway from station KINGSLAND to station WOODBINE. Length of traverse 13.2 stat. miles; number of stations 17; closure 2.7 meters before adjustment. None of the traverse stations were marked because the C.W.A. project was locating marked stations along the same route.

COMPARISONS WITH CONTEMPORARY SURVEYS:-

Lieut. Paton carried fixed control hydrography up the Crooked River to Mush Bluff and rodded in detail was checked this far. The hydrography on the other streams appearing on this compilation was run in on a compiled shoreline so no check was possible. All junctions with adjoining compilations check.

LANDMARKS AND COAST PILOT NOTES:-

The above (if any) have been submitted by H. A. Paton, 1934.

NAMES ON OVERLAY SHEET:-

All names appearing on the overlay were taken from current issues of charts and U. S. Geological Survey Quadrangles.

Respectfully submitted,


S. B. Grenell,
Chief of Party No. 18

GEOGRAPHIC NAMES

Survey No. T 5128

Date. 10/17/35

Chart No. 1242

Diagram No. _____

*, Approved by the Division of Geographic Names, Department of Interior.

φ, Not Approved by the Division of Geographic Names, Department of Interior.

R, Referred to the Division of Geographic Names, Department of Interior.

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Black Point Creek</u> ✓	Same	✓		
	<u>Black Point</u> ✓	"	✓		
	<u>Cherry Point</u> ✓	"	✓		
	<u>Crooked River</u> ✓	"	✓		
	<u>Todd Creek</u> ✓	"	✓		
	<u>Elliotts Bluff</u> ✓		✓	Kingsland Quad	
	<u>Mush Bluff</u> ✓		✓	"	
	<u>Sadlers Creek</u> ✓		✓	"	
	<u>Harrietts Bluff</u> ✓		✓	"	
	<u>Grover Island</u> ✓		✓	"	
	<u>Grover Creek</u> ✓		✓	"	
	<u>Halls Swamp</u> ✓		✓	"	
	<u>Camp Creek</u> ✓		✓	"	
	<u>Butler Branch</u> ✓		✓	"	
	<u>Hermitage Swamp</u> ✓		✓	"	
	<u>Cane Swamp</u> ✓		✓	"	
	<u>Satilla Bluff</u> ✓		✓	"	
	<u>New Hope Swamp</u> ✓		✓	"	
	<u>Rose Creek Swamp</u> ✓		✓	"	
	<u>Walker Swamp</u> ✓		✓	"	
	<u>Colesburg Colesburg</u> ✓		✓		
	Approved 10/17/35 K.T.A. copied by B.G.F.				

GEOGRAPHIC NAMES

Survey No. T-5128

Date. _____

Chart No. 1242

Diagram No. _____

* Approved by the Division of Geographic Names, Department of Interior.

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Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Pine Barren Swamp</u> ✓		✓ Kingsland	✓ Quad. Swamp	
	<u>North Fork</u> ✓		✓ "	✓	
	<u>Satilla River</u> ✓	1242	✓ "	✓	
	<u>Deep Creek</u> ✓		✓ "	✓	
	<u>Sadlers Landing</u> ✓		✓ "	✓	
	<u>Kinlaw</u> ✓		✓ "	✓	
	<u>Long Creek</u> ✓		✓ "	✓	
	<u>Grassy Island</u> ✓		✓ "	✓	
	<u>Spur Island</u> ✓		✓ "	✓	
	<u>New Hope Island</u> ✓		✓ "	✓	
	Walker Swamp ✓		✓ "	✓	
	<u>Big Strand</u> ✓		✓ "	✓	
	<u>Seals (Settlement)</u> ✓		✓ "	✓	
	<u>Greenville</u> " ✓		✓ "	✓	
	<u>Crooked River Swamp</u> ✓		✓ "	✓	
	<u>Coleraine and St. Marys Road</u> ✓		✓ "	✓	
	<u>WRIGHTS I.</u> ✓		✓ "	✓	
	<u>London Hill</u> ✓		✓ "	✓	
	<u>U.S. Highway No. 17</u> ✓		✓	✓	
	<u>TIGER ISLAND</u> ✓		✓ "	✓	
	<u>Tiger Branch</u> ✓		✓ "	✓	
	<u>Marianna creek</u> ✓	1242	✓	✓	

names approved Dec. 4 1935
O. Egan

REVIEW OF AIR PHOTO COMPILATION T 5128
1:20,000

1. Comparison with Graphic Control Surveys

- (a) T 4898, T 6187a, and T 6189a (1934), 1:10,000.

On graphic control survey T 6189a at lat. $30^{\circ} 51.9'$, long. $81^{\circ} 34.8'$ and lat. $30^{\circ} 51.6'$, long. $81^{\circ} 32.6'$ are temporary topographic signals that are shown on the compilation to be considerably off shore. The review of H 5756 describes these stations as being on small grass islets that bare at approximately half tide and for that reason have not been shown on the compilation. Slight discrepancies in shore line of the above listed surveys have been corrected and are now in agreement.

- (b) All information and detail shown on the above listed graphic control surveys within the area of this compilation is now shown on the compilation except temporary topographic signals and the magnetic meridians.

2. Comparison with Recent Hydrographic Surveys

- (a) H 5689, H 5691, H 5753 and H 5756 (1934), 1:10,000

Several slight shore line corrections have been made on the compilation but these do not affect the soundings. The hydrographic surveys listed above are in agreement with the compilation.

3. Comparison with Former Surveys

- (a) T 1145, (1870), 1:20,000, and T 1152 (1870), 1:20,000.

Only a small portion of the area shown on this compilation is covered by former surveys but that portion covered by this compilation shows no important changes. This compilation is complete and adequate to supersede the portions of the above mentioned surveys which it covers.

4. Recoverable Stations

The recoverable topographic stations which are shown on the graphic control surveys T 4898 and T 6187a and are covered by this compilation have been added to the compilation in this office. Recoverable stations on the remaining graphic control surveys were transferred to the compilation by the field party.

Stations transferred by L. C. Landis checked by M. W. Crook.
L. C. L.

Descriptions of the recoverable topographic stations are filed on Form 524 under Graphic Control Survey numbers T 4898, T 6187a and T 6189a.

5. Remarks

- (a) The accuracy of 4 and 10 meters given on page 1 of the preceding report is high for work on this scale. A better estimate would be 6 to 10 meters for intersected points and 6 to 20 meters for other detail.
- (b) Several secondary roads and in some instances when roads through woods had not been shown and it was possible to follow these with some degree of accuracy have been added to the compilation in the office.
- (c) The projection diagonals have been checked in this office and found correct. No further check was made during this review.

6. Comparison with chart 1242 and U. S. Geological Survey Kingsland Quadrangle

- (a) No aids to navigation or landmarks are shown on that part of the present chart covered by this compilation and no new landmarks have been recommended by the graphic control survey or this compilation.
- (b) The U. S. Geological Survey Kingsland Quadrangle covering this area shows that all of the secondary roads and trails have not been shown on this compilation but it has been impossible to trace these through the trees. All of the principal and better secondary roads are shown on the compilation.

Oct. 1, 1935.

L. C. Lande
Frank G. Eukline

REVIEW OF AIR PHOTO COMPILATION NO. 5128

Chief of Party: S.B. Grenell

Compiled by: R.C. Schrimper
J.B. Williams, Jr.

Project: F.P. 4, Ga, Party #18

Instructions dated: Nov. 10, 1933.

1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b, c, d, e, g and i; 26; and 64)
2. Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 g, n) *no changes*
3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d, e)
4. Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28) *None*
5. Differences between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.
6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 44; and 66 c, h, i)
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."

8. ✓ The representation of low water lines, ~~reefs, coral reefs and~~ rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41)

9. ✓ Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57)
9 stations on Form 524 by H.A. Paton 1934 have been plotted on the compilation.

10. ✓ A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60)
*Form 567 (if any) H.A. Paton, 1934.
none submitted*

11. ✓ All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c) *None*

12. ✓ Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k)

13. ✓ The geographic datum of the compilation is *N.A. 1927* and the reference station is correctly noted. *(adjusted)*

14. ✓ Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)

15. ✓ The drafting is satisfactory and particular attention has been given the following:
 1. ✓ Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report.
 2. ✓ The degrees and minutes of Latitude and Longitude are correctly marked.

- ✓ 3. All station points are exactly marked by fine black dots.
- ✓ 4. Closely spaced lines are drawn sharp and clear for printing.
- ✓ 5. Topographic symbols for similar features are of uniform weight.
- ✓ 6. All drawing has been retouched where partially rubbed off.
- ✓ 7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground.

(Par. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

16. No additional surveying is recommended at this time. ✓

17. Remarks:

18. Examined and approved;

March 27, 1935

[Signature]
Chief of Party

19. Remarks after review in office:

Reviewed in office by: *L. C. Rande*
Frank G. Eshme

Examained and approved:

C. H. Green
Chief, Section of Field Records

L. O. Solbert
Chief, Division of Charts

F. B. Borden
Chief, Section of Field Work

G. Wade
Chief, Division of Hydrography
and Topography.

Applied to Chart 841 - Mar. 24, 1936 W. A. Bruders

Applied to Chart 1242 - Feb. 24, 1939 J. H. S.