DESCRIPTIVE REPORT

Topographic

Hydrographic

Sheet No. 5128

State: Georgia

LOCALITY
St. Andrew Sound
Georgia East Coast
Crooked River

1935

CHIEF OF PARTY
S. B. Grenell
applied to new chart 448 (then chart 841) July 1937 190 L
448 die (then 9134) issued, 1938 825 L

applied to chart 1242 Mar. 16, 1939 G.K.S.
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
Locality. Crooked Creek
River
Scale. 1:20,000
Date of Survey Comp. 10-13-33; 19-33; 9-21-33

Vessel. Aerial Photo Compilation Party No. 18
Reviewed and recommended for approval. Chief of party, Lieut. (j.g.) S. B. Grinnell
Photographs plotted by: F. B. Hickman
Inked by: R. C. Schrimer & J. E. Williams, Jr.

Heights in feet above to ground to tops of trees
Contour, Approximate contour, Form line interval feet
Instructions dated. November 10, 1933

Remarks: Compilation of aerial photos Nos.: M-68 1 to 14;
M-67 1 to 14; M-66 120 to 133. Blue print scale 1/636 required...
---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 personnel 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. 528

M-68 1
PHOTO NO. M-67 1 to PHOTO NO. 4
M-66 120
114
133

BY

ROUGH RADIAL PLOT
S. B. Bowis

SCALE FACTOR (.92)
S. B. Bowis

SCALE FACTOR CHECKED
S. B. Grenell

PROJECTION
A. E. Kruder
10-10-34
10-10-34

PROJECTION CHECKED
S. B. Grenell

CONTROL PLOTTED
A. A. Futral
10-11-34
10-11-34

CONTROL CHECKED
W. R. Taylor, Jr.
10-11-34
10-12-34

TOPOGRAPHY TRANSFERRED
F. B. Hickman

TOPOGRAPHY CHECKED
S. B. Grenell

SMOOTH RADIAL LINE PLOT
F. B. Hickman
10-23-34
11-21-34

RADIAL LINE PLOT CHECKED
S. B. Grenell

DETAIL INKED
R. C. Schrimper & J. B. Williams, Jr.
12-10-34
3-26-35

AREA DETAIL INKED
131.1
Square Statute Miles

LENGTH OF SHORE LINE OVER 200m.
23.9
Statute Miles

LENGTH OF SHORE LINE UNDER 200m.
62.4
Statute Miles

GENERAL LOCATION
St. Andrew Sound
Georgia-East Coast

LOCATION
Toft Creek to Crooked River

DATUM STATION
Ceylon 1737
LATITUDE 30°56'00.919 (28.3 N)

DATUM
N. A. 1927
LONGITUDE 81°38'01.641 (13.6 W)

(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 COMPLETEENESS:

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.

PHOTOGRAPHS:

<table>
<thead>
<tr>
<th>No.</th>
<th>to No.</th>
<th>Date</th>
<th>Time</th>
<th>Stage of Tide</th>
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<td>1</td>
<td>14</td>
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<td>9:10 AM</td>
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<tr>
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<td>4</td>
<td>9-22-33</td>
<td>9:20 AM</td>
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<td>M-66</td>
<td>120</td>
<td>133</td>
<td>9-21-33</td>
<td>9:10 AM</td>
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</table>

[Signature]

J. E. Williams, Jr.
Draftsman
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 5118.

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:

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. Meany, 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 WOODRINE. 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,

[Signature]

S. B. Grenell,
Chief of Party No. 18
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<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
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<td>Black Point</td>
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<td>Cherry Point</td>
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<td>Crooked River</td>
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<td>Todd Creek</td>
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<td>Grover Creek</td>
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<td></td>
<td>Falls Swamp</td>
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<td>Camp Creek</td>
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<td>Ermitage Swamp</td>
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<td>Satilla Bluff</td>
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<td>New Hope Swamp</td>
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<td>Gooleaang Colesburg</td>
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* Approved by the Division of Geographic Names, Department of Interior.
Ø Not Approved by the Division of Geographic Names, Department of Interior.
R, Referred to the Division of Geographic Names, Department of Interior.

Survey No. 75128
Chart No. 1242
Diagram No. ___

Approved 10/17/35 K.T.A.

[Signature]
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<th>Name on Survey</th>
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<th>Names assigned by Field</th>
<th>Location</th>
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<td>Deep Creek</td>
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<td>Sadlers Landing</td>
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<td>Coltrain and St. Marys Road</td>
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<td>Marianna Creek</td>
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☐ Not Approved by the Division of Geographic Names, Department of Interior.

R. Referred to the Division of Geographic Names, Department of Interior.
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° 51.9', long. 81° 34.3' and lat. 30° 51.6', long. 81° 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 are covered by this compilation and 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

[Signature]

checked by

[Signature]

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.


Frank S. Kultke
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 37)

Station 9 on Form 524 by H. H. Peton 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 18, 1934, Landmarks for Charts, compiled with. (Par. 16d, e; and 50)

Form 567 (omitted) H. H. Peton 1934.

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)

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. 54, 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. Lande

Examined and approved:

[Signature] Chief, Section of Field Records

[Signature] Chief, Division of Charts

[Signature] Chief, Section of Field Work

[Signature] Chief, Division of Hydrography and Topography.