<table>
<thead>
<tr>
<th>State</th>
<th>Georgia</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCALITY</td>
<td></td>
</tr>
<tr>
<td>1925</td>
<td></td>
</tr>
<tr>
<td>CHIEF OF PARTY</td>
<td>S. B. Grenell</td>
</tr>
</tbody>
</table>
applied to check 440  Sept. 25, 1936
q. H.S.
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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. 5145

State. .............................................. Georgia

General locality..........................................................

Locality.................................................. Savannah

Scale 1:10,000  Date of survey: photos 10-11-33

Vessel .... Aerial Photo Compilation Party No. 13

Chief of Party .... Lt. (j.g.) C. B. Grenell

Photos plotted by: Surveyor ........ R. D. Gross

Inked by: ..................... D. B. Gaines

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 photographs Nos. 1/61 to 1/70,

1/76 to 1/94. ....................................................
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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. 5145 (West Half)

State ------------------ Georgia

General locality ------- Savannah, Ga.

Locality ------------- Savannah vicinity

Scale 1:10,000 .......... Date of Survey Comp. 10-11-33

Vessel ................. Aerial Photo Compilation Party #18

Reviewed and recommended for approval:

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

Photographs plotted by: -

Surveying ................ R. D. Cross

Inked by ............... D. B. Gaines

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 photographs Nos.: 1476 to 1482

...
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. 5145 (East Half)

State. ............................................ Georgia

General locality. .................................. Savannah

Locality ........................................... Savannah

Scale 1:10,000 Photographs; 10-11-33

Date of survey completed .......................... 19

Vessel Aerial Photo Compilation Party No. 18:

Reviewed & recommended for approval:

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

Photographs plotted by:

R. D. Cross

Inked by ........................................... D. B. Gaines

Heights in feet above ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated November 10, 1933, 19

Remarks: Compilation of aerial photographs Nos.: 1162 to 1174;

1161 to 1170

...
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. 54 (West Half)

PHOTO No. 1476 to PHOTO No. 1482

BY

ROUGH RADIAL PLOT Warren Fitch

SCALE FACTOR (x 9/10) S. B. Grenell

SCALE FACTOR CHECKED S. B. Grenell

PROJECTION J. C. Partington

PROJECTION CHECKED R. D. Cross

CONTROL PLOTTED F. B. Hickman

CONTROL CHECKED R. D. Cross

TOPOGRAPHY TRANSFERRED D. B. Gaines Various Times

TOPOGRAPHY CHECKED S. B. Grenell

SMOOTH RADIAL LINE PLOT R. D. Cross

RADIAL LINE PLOT CHECKED S. B. Grenell

DETAIL INKED D. B. Gaines

AREA DETAIL INKED 8.7 Square Statute Miles

LENGTH OF SHORE LINE OVER 200m. 2.7 Statute Miles

LENGTH OF SHORE LINE UNDER 200m. 10.5 Roads

GENERAL LOCATION Georgia, West Coast

LOCATION Savannah vicinity

DATUM STATION Cloud, 1932

LATITUDE 32° 00' 09.6" (612.11)

LONGITUDE 81° 06' 55.303 (1451.54) Preliminary Adjustment
REPORT OF COMPILATION:

RADIAL LINE PLOT:

The standard radial line plot was used in making the plot for this compilation.

No difficulties were encountered in the radial plot. All triangulation stations held.

All common points held between the two 1400 flights over this compilation.

The scale factor of this and all other attache sheets is 5114. The northern and eastern junctions with compilations 5142(w) and 5143(w) were made direct being of the same scale factor. The western and southern junctions of this compilation were made with compilation 5114 (scale 1:20,000) five lens. This junction was made with the projector.

ADJUSTMENT OF PHOTOGRAPHS:

The two 1400 flights on this compilation were run through by R. D. Cross. Some difficulty was encountered in adjusting the photographs because there were not enough radial points, although this was corrected by cutting in additional points along road intersections where they were most needed.

Tilt was excessive in some cases but by using adjoining photographs it was possible to cover badly tilted areas. In some cases pictures from the next flight were used to cover badly tilted areas.

Additional points were pricked and this was done by pricking in the desired area a point common to three or more photographs and drawing radial lines through these points from their respective center points. By making three cuts on the compilation additional points were added.

INTERPRETATION:

The photographs were on an average clear. The detail was sharply defined, particularly in the "B" prints.

The only particular difficult feature was interpreting the railroad tracks and yards at the Atlantic Coast Line R.R. shops. A railroad blueprint was used in interpreting the tracks at the A.C.L. R.R. shops.

COMPARISONS WITH CONTEMPORARY SURVEYS:

The northern and eastern junctions (with compilations 5142(w) and 5143(w)) were made direct, being the same scale factor. The southern and western junctions of this compilation were made with compilation 5114, five lens, 1:20,000 scale. This compilation is part of another radial plot and the junction was made with the projector.
COMPARISONS WITH OTHER SURVEYS:

This compilation agrees in general with the U. S. Army Tactical map of South Carolina and Georgia (Savannah quadrangle). This compilation agrees with all detail from the former City Map drawn in the City Engineer's office in 1931.

All railroads were drawn in after a close study of local railroad blue prints. This was necessary because railroads were difficult to follow on the photographs.

Other sources of information used in compiling this sheet were field inspection notes made by parties from this office.

ACCURACY AND COMPLETENESS:

It is felt that the required accuracy and completeness are obtained in the compilation of this sheet; namely: probable error in well defined detail not more than four meters, and probable error in less well defined detail not more than 10 meters.

PHOTOGRAPHS:

<table>
<thead>
<tr>
<th>No.</th>
<th>to</th>
<th>Date</th>
<th>Time</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>1476</td>
<td>1482</td>
<td>10-11-33</td>
<td>11:25AM</td>
<td>3/5</td>
</tr>
<tr>
<td>1471</td>
<td>1475</td>
<td>10-11-33</td>
<td>11:25AM</td>
<td>3/5</td>
</tr>
</tbody>
</table>

D. B. Gaines,
Draftsman.

Approved:

S. B. Grenell,
Chief of Party
---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.

<table>
<thead>
<tr>
<th>SHEET No. 5215 (East Half)</th>
<th>PHOTO No. 1142 to PHOTO No. 1144</th>
</tr>
</thead>
<tbody>
<tr>
<td>BY</td>
<td>START</td>
</tr>
<tr>
<td>ROUGH RADIAL PLOT</td>
<td>12-19-33</td>
</tr>
<tr>
<td>SCALE FACTOR (.940)</td>
<td>S. E. Greensl</td>
</tr>
<tr>
<td>SCALE FACTOR CHECKED</td>
<td>S. E. Greensl</td>
</tr>
<tr>
<td>PROJECTION</td>
<td>J. C. Partington</td>
</tr>
<tr>
<td>PROJECTION CHECKED</td>
<td>F. B. Hickman</td>
</tr>
<tr>
<td>CONTROL PLOTTED</td>
<td>F. B. Hickman</td>
</tr>
<tr>
<td>CONTROL CHECKED</td>
<td>R. D. Cross</td>
</tr>
<tr>
<td>TOPOGRAPHY TRANSFERRED</td>
<td>D. B. Gaines</td>
</tr>
<tr>
<td>TOPOGRAPHY CHECKED</td>
<td>&quot;</td>
</tr>
<tr>
<td>SMOOTH RADIAL LINE PLOT</td>
<td>2-1-34</td>
</tr>
<tr>
<td>RADIAL LINE PLOT CHECKED</td>
<td>2-1-34</td>
</tr>
<tr>
<td>DETAIL INKED</td>
<td>5-2-34</td>
</tr>
<tr>
<td>AREA DETAIL INKED</td>
<td>9.2</td>
</tr>
<tr>
<td>LENGTH OF SHORE LINE OVER 200m</td>
<td>Statute Miles</td>
</tr>
<tr>
<td>LENGTH OF SHORE LINE UNDER 200m</td>
<td>Statute Miles</td>
</tr>
<tr>
<td>GENERAL LOCATION</td>
<td>Ogee is at crest</td>
</tr>
<tr>
<td>LOCATION</td>
<td>Savannah on Main St.</td>
</tr>
<tr>
<td>DATUM STATION</td>
<td>Waters, 1935</td>
</tr>
<tr>
<td>LATITUDE</td>
<td>32° 00' 38.001&quot; (1170.5M)</td>
</tr>
<tr>
<td>LONGITUDE</td>
<td>06° 01' 116&quot; (29.34)</td>
</tr>
</tbody>
</table>

Preliminary Adjustment
REPORT OF COMPILATION:

RADIAL LINE PLOT:

The standard radial line plot method was used in making the plot for this compilation.

No difficulties were encountered in the radial plot. All triangulation stations held.

All common points held between the two 1:400 flights over this compilation.

The scale factor of this and all other aerial sheets is 0.940. The western and northern junctions (compilations 5144\# and 5142\#) was made direct, being of the same scale factor. The southern flight over the city (photographs 11476 through 11941) ends on this compilation. The eastern junction is made with compilation 5146\# single lens, 1:10,000 scale with a reduced photostat. The southern junction is made with compilation 5141\#. This compilation is part of another radial plot (scale 1:20,000) and the junction was made with the projector.

ADJUSTMENT OF PHOTOGRAPHS:

The two 1:400 flights on this compilation were run through by R.D. Cross. Some difficulty was encountered in adjusting the photographs because there were not enough radial points, although this was corrected by cutting in additional points along road intersections, where they were most needed.

Tile was excessive in some cases but by using adjoining photographs, it was possible to cover badly tilted areas. In some cases pictures from the next flight were used to cover badly tilted areas.

Additional points were pricked and this was done by pricking in the desired area a point common to three or more photographs and drawing radial lines through these points from their respective center points. By making these cuts on the compilation additional points were added.

INTERPRETATION:

The photographs were, on the average clear. The detail was sharply defined, particularly in the "B" prints.

The only difficult feature was an over abundance of trees in the city, making it difficult to trace street intersections and it was necessary to use a former city map to interpret the various street intersections.

COMPARISONS WITH CONTEMPORARY SURVEYS:

The western and northern junctions with compilations 5144\# and 5142\# were made direct, being of the same scale factor. The southern flight over the city (photographs 11476 through 11941) ends on this compilation. The eastern junction is made with compilation 5146\#, single lens, 1:10,000 scale with reduced photostats. The southern junction is made with compilation 5141\#.
This compilation covers another radial plot (scale 1:20,000) and the junction was made with the projector.

**COMPARISONS WITH OTHER SURVEYS:**

This compilation agrees generally with the U. S. Army Tactical map of South Carolina and Georgia (Savannah Quadrangle.)

This compilation agrees with all detail from former city map drawn in City Engineer's office in 1931.

All railroads were drawn in after a close study of local railroad blue prints. This was necessary because railroads were difficult to follow on the photographs.

Other sources of information used in compiling this sheet were the field inspection notes made by members of the field party from this office.

**ACCURACY AND COMPLETENESS:**

It is felt that the required accuracy and completeness are obtained in this compilation; namely: probable error in well defined detail not more than 1 / 4 meters; less well defined detail not more than 10 meters.

**PHOTOGRAPHS:**

<table>
<thead>
<tr>
<th>No. to</th>
<th>No.</th>
<th>Time</th>
<th>Date</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>1432</td>
<td>1494</td>
<td>11:30 AM</td>
<td>10-11-33</td>
<td>4/5</td>
</tr>
<tr>
<td>1461</td>
<td>1470</td>
<td>11:15 AM</td>
<td>10-11-33</td>
<td>4/5</td>
</tr>
</tbody>
</table>

J. B. Gaines,
B. B. Gaines,
Draftsman

Approved:

S. B. Grenell
Chief of Party
### GEOGRAPHIC NAMES

**Survey No. T-5145**  
**Chart No. U.S. Savannah Quad.**

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

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

Under investigation. Q

<table>
<thead>
<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>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Casey Canal</td>
<td>U.S. Perm.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Kensington</td>
<td>U.S. G.S. Quad. &quot;Savannah&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sackville</td>
<td>U.S. G.S. Quad &quot;Savannah.&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Savannah</td>
<td>Same</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Southover</td>
<td>U.S. G.S. quad &quot;Savannah&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Springfield Canal</td>
<td>U.S. Perm.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tatumsville</td>
<td>USGS Quad. &quot;Savannah&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Union Junction</td>
<td>USGS &quot;&quot; &quot;&quot;</td>
<td></td>
<td></td>
<td>Ry GUIDE</td>
</tr>
<tr>
<td></td>
<td>Hunter Field (Savannah Municipal Airport)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Names underlined in red approved by [Signature] on 1-25-36.
REVIEW OF AIR PHOTO COMPILATION NO. T-5145

Chief of Party: S. C. Grenell

Compiled by: D. Gaines

Project: FP4 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 wharves, 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)

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. Blueprints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28)

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. There are no contemporary plane table or hydrographic surveys in this area.

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)

None

None

None

None

None

None

None

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) None

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) None

10. A list of landmarks was furnished on Form 567 and instructions in the Director’s letter of July 15, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60) None

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. 16e) 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. C. 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. ✓

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. ✓
There are no contemporary geographic control or hydrographic surveys covering this area. T.992 (1:80,000) 1865-67 is the only previous survey by the bureau. There is little comparison possible between this compilation and T.992, because of the changes which have taken place. The fortifications shown on T.992 have disappeared and the city of Savannah has increased in size. The compilation is complete and adequate to supersede that part of T.992 which it covers.

W.R. Sobinowski
F-2-35

This sheet was compiled on two sheets, T5145 East and T5145 West, which have been joined into one sheet before printing in this office.
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.

(Far. 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;

[Signature]
Chief of Party


Reviewed in office by: V. R. Sobieralski, J. G. Jones

Examined and approved:

[Signature] K. J. Adams
First Chief, Section of Field Records
[Signature] D. J. Madsen
Chief, Division of Charts

[Signature] T. A. Bagdon
Chief, Section of Field Work

[Signature] H. W. Moore
Chief, Division of Hydrography and Topography.