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. J

REGISTER NO. 6133A

State Georgia

General locality Cumberland Island

Locality Floyd Creek to Brickhill River

Scale 1:10,000 Date of survey June 5, 1934

Vessel Party No. 26

Chief of Party Hubert A. Paton

Surveyed by J.M. LeRoy

Inked by C.T. Schwalb

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated Dec. 5, 1933

Remarks: 

---------

670
INSTRUCTIONS:

The work done on this sheet was done in accordance with instructions dated Dec. 5, 1933.

LIMITS:

The sheet covers an area from Floyd Creek, south to Cabin Bluff and from Cabin Bluff east to the most eastern part of Brickhill River.

METHODS:

All signals were located by means of graphic triangulation. No traverses were necessary. The work conforms with the requirements in the topographic manual, Special Publication No. 1/4.

Datum:

The datum for this sheet is North American 1927. The geographic positions of all stations were the unadjusted field computations on North American Datum based on the line Bat-Stafford. These values were corrected as follows:

- Latitude + 1.0 meters.
- Longitude - 5.0 meters.

which reduces the position to the 1927 datum. These correction factors were obtained by comparing the values for the adjusted first order stations in the vicinity.

JUNCTIONS:

This sheet joins sheet E and F on the north, and sheet K on the south.

The following signals were located on both:

<table>
<thead>
<tr>
<th>Sheet J and E</th>
<th>Discrepancies (meters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signals</td>
<td></td>
</tr>
<tr>
<td>Dun</td>
<td>Lat. 0 Long. 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sheet J and F</th>
<th>Discrepancies (meters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triangulation station High Bluff (house on end of dock)</td>
<td></td>
</tr>
<tr>
<td>Row</td>
<td>0 Lat. 1 Long. 0</td>
</tr>
<tr>
<td>Fit</td>
<td>2 Lat. 0 Long. 0</td>
</tr>
<tr>
<td>Ad</td>
<td>0 Lat. 0 Long. 0</td>
</tr>
</tbody>
</table>
Sheet J and K
Triangulation station Flats 1933

CONTROL:
There are 16 triangulation stations on this sheet. The control is sufficient for the work.

SHORELINE:
The shores on this sheet are all marshy except the section from High Bluff to signal "Sir", a short section at Cabin Bluff, and the upper part of Shellbine Creek, in the vicinity of signal "Hut". A limited amount of the high water line was rodded in to check the photographic shoreline.

A separate party, under the direction of Lieut. E. E. Grenell made the field inspection and compiled the photo-topographic sheets for this area. For most of this area, the final position of the shoreline has not been received. (Jan. 10, 1935).

The pencilled shorelines shown on the sheet were traced and transferred from previous survey for the guidance of the topographer. They were not erased for fear that some of the cuts might be obliterated.

MAGNETIC MERIDIANS:
The declination as determined with the declinatoire at Station Flats, is 2° 30' east. The index correction for this instrument is 0° 10' East determined at Brunswick Magnetic station in February 1934. This gave a corrected value of 2° 40' east for the declination.

RANGES:
There is one range on this sheet, the Cumberland River Mud Creek Range. Its true computed azimuth is 213° 57'.

NAMES:
There are no new names suggested for this sheet.

RECOVERABLE STATIONS:
The following stations were marked and their descriptions are submitted on form # 524: Ut, Tal, Tek, Sir, Mik, Jit, Riv. No sketches were needed on these cards because the field inspection of the photographs was made by Lieut. Grenell's party.
LANDMARKS:

The landmarks on this sheet consist entirely of Aids to Navigation, which are submitted on form 567.

COMPARISON WITH OLD SURVEYS:

The new work on this sheet checks the shoreline of old surveys very closely.

Respectfully submitted,

Approved and forwarded

[Signature]

Hubert A. Paton,
Lieut. C. & G. S.,
Chief of Party.
LANDMARKS FOR CHARTS

Jacksonville, Fla.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>POSITION</th>
<th>METHOD OF DETERMINATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mud Creek Front Range (white diamond daymark on pile)</td>
<td>30 54° 1217'</td>
<td>North American 1953</td>
<td>124, 1242, 3257</td>
</tr>
<tr>
<td>Mud Creek Rear Range (white circular daymark on tripod)</td>
<td>30 54° 678'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beacon No. 2 (white square daymark on pile)</td>
<td>30 54° 922'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beacon No. 1 (white square daymark on 3 pile dolphin)</td>
<td>30 53° 936'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beacon No. 3 (white square daymark on pile)</td>
<td>30 53° 587'</td>
<td>Topography 1954</td>
<td></td>
</tr>
<tr>
<td>Beacon No. 5 (white square daymark on 3 pile dolphin)</td>
<td>30 53° 194'</td>
<td>Triangulation 1953</td>
<td></td>
</tr>
</tbody>
</table>

All objects have been viewed from the water.

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly chartered. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive identification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it: for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.
REVIEW OF GRAPHIC CONTROL SURVEY T-6188(a), SCALE 1:10000,

Date of Review August 16, 1935

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5219, 5220, with particular attention to the following details:

   (a) Projection has been checked in the field.

   (b) Accuracy of location of plane table control points.

   (c) Discrepancies between detail on this survey and the air photo compilations listed above.

   (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above. Small differences in high water line references due to interpretation differences.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5219, 5220, for a more complete discussion of any errors or discrepancies found.

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

Notes and corrections resulting from the review are shown on this survey in green.

Rooded in shore line at lat. 30°54.3', long. 81°27.7' does not agree with photographs - see T-5229.

D. H. Benson
B. G. Jones
DESCRIPTIVE REPORT

Topographic |
Hydrographic |
Sheet No. K

State: Georgia

LOCALITY
- Camden County, Cumberland Island
- Cumberland River, Pinnings
- Munnford Creek to Stafford Island

1931

CHIEF OF PARTY
Hubert A. Paton
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. K

REGISTER NO. 6188b

State
Georgia

General locality
Cumberland Island

Locality
Munford Creek to Stafford Island

Scale
1:10,000
Date of survey
June, 1934

Vessel
Party No.
28

Chief of Party
Hubert A. Paton

Surveyed by
J.W. LeRoy

Inked by
C.T. Schwab

Heights in feet above ground to tops of trees

Contour, Approximate contour, Form line interval

Instructions dated
Dec 5, 1934

Remarks

0

0
INSTRUCTIONS:

The work on this sheet was done in accordance with instructions dated Dec. 5, 1933.

LIMITS:

This sheet covers an area from Cabin Bluff, south to Stafford Island, and from Cumberland Island, west to the second large island up Crooked River.

METHODS:

All work on this sheet was done in accordance with the "Topographic Manual," Special Publication #144. The signals were located by graphic triangulation, and no traverses were needed.

CONTROL:

Twenty triangulation stations were recovered which furnished adequate control for the survey.

DATUM:

The datum used on this sheet is North American 1927. The triangulation stations had been computed on North American Datum from the line 'Bat-Stafford,' and they have not been adjusted nor reduced to the 1927 datum yet. By comparing the two values of certain first-order stations in the vicinity, a correction factor was obtained as follows:

\[
\begin{align*}
\text{Latitude} & \cdot 1.0 \text{ meters} \\
\text{Longitude} & \cdot 5.0 \text{ meters}
\end{align*}
\]

With the correction applied to the data on hand, the stations could be plotted without appreciable error.

JUNCTION:

This sheet joins J on the north, sheet L on the west and sheet M on the south. The following signals were located on two sheets:
Sheet K and J

Triangulation Station Flats 1934

Sheet K and L

Triangulation Station Delaroche 1860
" " Crooked 1905
" " Third 1933

Oak
Lop
Tin
Hot

Sheet K and M

Triangulation Station Cumberland Island Windmill 1933

Jag
Tar

Discrepancies (meters)

<table>
<thead>
<tr>
<th>Lat.</th>
<th>Long.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SHORELINE:

The shoreline on this sheet consists mostly of marsh except for a short distance along the eastern part of Brickhill River.

A party, under the direction of Lieut. (j.g.) S. B. Grenell, compiled a photo-topographic survey of this area, but a small amount of shoreline was located also by the topographer whenever possible without unduly delaying the progress of his party. The two surveys check very closely.

MAGNETIC MERIDIAN:

The Magnetic Meridian, as determined with the declinometer is 1° 04' east of the true meridian. The index correction for this instrument as determined at the Brunswick Magnetic station in February 1934 was 0° 10' East. The corrected declination is therefore 1° 14' east.

RANGES:

There are four ranges on this sheet, all located by triangulation. The computed azimuths are: (zero equals North)

- Crossover Range or Cumberland River Delaroche Creek Range 166° 11'
- Cumberland River Dividings Range #2 189° 03'
- Cumberland River Dividings Range #1 39° 17'
- Cumberland River Crooked River Range 356° 16'
NAMES:

There are no new names suggested for this sheet.

RECOVERABLE STATIONS:

- The following stations were described on Form # 521: Pot, Spy, Log, Bag, Nut, New, Egg, and are submitted with this report.

- The field inspection for these photo-topographic sheets was made by Lieut. Grenell's party so no sketches were needed on these cards.

COMPARISON WITH OLD SURVEYS:

- There have been no major changes since the old surveys and the new work checked the old in a general manner.

Respectfully submitted,

Approved and forwarded,

[Signature]
Hubert A. Paton
Lieut. C. & G. S.,
Chief of Party.

J. M. LeRoy
Surveyor C. & G. S.
## Aids to Navigation

**Director, U.S. Coast and Geodetic Survey:**

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

<table>
<thead>
<tr>
<th>Description</th>
<th>Position</th>
<th>Method of Determination</th>
<th>Charts Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Beacon 6 1</em> (White square daymark on 3 pile dolphin)</td>
<td>30 52 1193 81 30 856 North American 1927 <em>Triangulation</em></td>
<td><em>J.B., 1242, 3257.</em></td>
<td></td>
</tr>
<tr>
<td><em>Beacon 9 9</em> (White square daymark on pile, O Pot.)</td>
<td>30 51 1293 81 20 1165 <em>Topography</em></td>
<td><em>1927</em></td>
<td></td>
</tr>
<tr>
<td>Delaroche Creek F. R. (White diamond daymark with black center on pile.)</td>
<td>30 51 1369 81 29 1500 <em>Triangulation</em></td>
<td><em>1922</em></td>
<td></td>
</tr>
<tr>
<td><em>Beacon 11 11</em> (White square daymark on pile, O Spy.)</td>
<td>30 51 1242 81 29 731 <em>Topography</em></td>
<td><em>1924</em></td>
<td></td>
</tr>
<tr>
<td>Delaroche Creek R. R. (White circular daymark with black center on tripod.)</td>
<td>30 51 692 81 29 1134 <em>Triangulation</em></td>
<td><em>1926</em></td>
<td></td>
</tr>
<tr>
<td><em>Beacon 5 13</em> (White square daymark on pile.)</td>
<td>30 51 10 81 20 1250 * *</td>
<td><em>1242, 1357</em></td>
<td></td>
</tr>
<tr>
<td>Dividing R. R. # 1 (White diamond daymark on pile.)</td>
<td>30 50 1283 81 20 1086 *</td>
<td>* *</td>
<td></td>
</tr>
</tbody>
</table>

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive indentification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.
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LANDMARKS FOR CHARTS

Jacksonville, Fla.

Jan. 14, 1935

Director, U.S. Coast and Geodetic Survey:

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<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>POSITION</th>
<th>METHOD OF DETERMINATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tank, wooden, (3)</td>
<td></td>
<td>North American</td>
<td>1927</td>
</tr>
<tr>
<td>(70 ft. high, Cumberland Island)</td>
<td>30 51</td>
<td></td>
<td>1242, 3257</td>
</tr>
<tr>
<td>island tank</td>
<td>703</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windmill, (3)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(75 ft. high, Cumberland Island)</td>
<td>30 48</td>
<td></td>
<td></td>
</tr>
<tr>
<td>windmill</td>
<td>1678</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>81 27</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1373</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

These objects have all been viewed from the water.

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REVIEW OF GRAPHIC CONTROL SURVEY T-6188 b, SCALE 1:16,000, June 1934

Date of Review Aug. 1, 1935

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5231, 5230, with particular attention to the following details:

   (a) Projection has been checked in the Field.
   (b) Accuracy of location of plane table control points. OK
   (c) Discrepancies between detail on this survey and the air photo compilations listed above.
   (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5231, 5230, for a more complete discussion of any errors or discrepancies found.

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

Notes and corrections resulting from the review are shown on this survey in green.

Projection on T-6188(b) very good, no errors greater than 1.000 being found.

D. N. Benson
B. G. Jones