DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

State: South Carolina

DESCRIPTIVE REPORT
Topographic \[ \text{Sheet No. Z 6139a} \]

LOCALITY
- Cooper River
- Tybee Roads
- Cooper River

1934

CHIEF OF PARTY
C. A. Egner
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. Z

REGISTER NO. 61.39A

State SOUTHERN CAROLINA

General locality BLEE ROADS

Locality COOPER RIVER

Scale 1/10,000 Date of survey JUNE 1934

Vessel PARTY NO. 23

Chief of party C. A. BEICER

Surveyed by G. R. DIETZ

Inked by

Heights in feet above surface to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated DECEMBER 4, 1934

Remarks: THIS SHEET FOR TOPOGRAPHIC AND HYDROGRAPHIC CONTROL ONLY.
DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET

FIELD: Z
PROJECT: F. P. #4
YEAR: 1934
STATE: SOUTH CAROLINA
GENERAL LOCALITY: SAVANNAH, GEORGIA
LOCALITY: COOPER RIVER
ADJOINS SHEETS: Y, X, W, H', I'
SHEET ON REVERSE SIDE (if double) Y
SCALE: 1/10,000
DATUM: N. A. 1927
CHIEF OF PARTY: C. A. EGNER
TOPOGRAPHER: G. R. DIETZ
DATE OF INSTRUCTIONS: DECEMBER 4, 1933
INKED BY: JG P.
INSTRUMENTS USED:

The usual plane table equipment.

METHODS:

Practically all stations were located by intersection from triangulation established in the locality, supplemented in one instance by traverse in restricted sections of Bull Creek, and by cuts from 3-point setups. High water line and marsh grass line were rodded in at several setups.

PURPOSE OF SURVEY:

To provide control for hydrography, to establish recoverable stations for future surveys, to tie down aerial photography for charting the locality, to revise existing surveys.

MARKING OF STATIONS:

Numerous triangulation stations throughout the sheet were marked in the accepted permanent manner by standard discs in concrete posts. Several natural objects were located and are included in the "LIST OF LAND MARKS." In addition numerous stations were marked by blazes on trees, and by 4" x 4" cypress posts 8' long driven in the ground with about 1' protruding. These stations were selected at representative points throughout the sheet.

LANDMARKS:

Only a few worthy of the name occur on this sheet. These have been listed on the accepted form "Landmarks for Charts".

RECOVERABLE STATIONS:

See paragraph above MARKING OF STATIONS. It is believed that there are sufficient triangulation stations on this sheet to provide for the future, taken together with the ones marked with cypress posts.
GEOGRAPHIC NAMES:

The present charted names have been used as these are the accepted local names.

MAGNETIC MERIDIAN:

Taken from setup at triangulation station DREIGHTON U. S. E. on June 14, 1934.

METHOD OF TRANSFER OF SIGNALS TO HYDROGRAPHIC SHEET:

Recoverable stations by d. m. and d. p.
Non-recoverable stations by tracing.

VERTICAL CONTROL:

None.

CHANGES SINCE PREVIOUS SURVEYS:

Since shoreline has not been required on this sheet, except in fragmentary pieces, it is difficult to say what changes have taken place since the last survey. The latter, however, was taken so long ago and under less accurate and complete instructions that it is apparent that many minor discrepancies will be noted when this sheet is supplemented by the photographs.

MISCELLANEOUS:

A line of signals was established in range running from triangulation station COOPER to the southwest and including signals END, NEW, GAR, IN, CON, and LAST. This line was established because it gave the maximum amount of control with the minimum number of signals.

Respectfully submitted

Approved and Forwarded

[Signature]

[Signature]

Chief of Party
# LIST OF RECOVERABLE STATIONS

**TOPO SHEET Z**

<table>
<thead>
<tr>
<th>NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hub</td>
<td>32-07</td>
<td>80-55</td>
<td>4&quot; x 4'' x 8' cypress hub</td>
</tr>
<tr>
<td>Last</td>
<td>32-07</td>
<td>80-55</td>
<td>4&quot; x 4'' x 8' cypress hub</td>
</tr>
<tr>
<td>In</td>
<td>32-08</td>
<td>80-54</td>
<td>4&quot; x 4'' x 8' cypress hub</td>
</tr>
<tr>
<td>New</td>
<td>32-09</td>
<td>80-53</td>
<td>4&quot; x 4'' x 8' cypress hub</td>
</tr>
<tr>
<td>New #1</td>
<td>32-07</td>
<td>80-53</td>
<td>Junction Ramshorn Creek and</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cooper River.</td>
</tr>
<tr>
<td>Ben</td>
<td>32-07</td>
<td>80-52</td>
<td>4&quot; x 4'' x 8' cypress hub</td>
</tr>
<tr>
<td>Beacon No.4</td>
<td>32-06</td>
<td>80-52</td>
<td>Midstream Cooper River about</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1670 meters N.E. CREIGHTON U.S.E.</td>
</tr>
<tr>
<td>Son</td>
<td>32-08</td>
<td>80-51</td>
<td>4&quot; x 4'' x 8' cypress hub</td>
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<td>Beacon No.2</td>
<td>32-08</td>
<td>80-51</td>
<td>Junction Bull Creek &amp; Cooper Riv.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>169</td>
</tr>
<tr>
<td>Jay</td>
<td>32-09</td>
<td>80-51</td>
<td>4&quot; x 4'' x 8' cypress hub</td>
</tr>
</tbody>
</table>
LANDMARKS FOR CHARTS

SAVANNAH, GEORGIA

AUGUST 31, 1934

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:

C. A. BEGNER
Chief of Party.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>POSITION</th>
<th>METHOD OF DETERMINATION</th>
<th>CHARTS AFFECTED</th>
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<tr>
<td></td>
<td>LATITUDE</td>
<td>LONGITUDE</td>
<td>DATUM</td>
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<tr>
<td></td>
<td>0° 1'</td>
<td>0° 1'</td>
<td></td>
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<tr>
<td></td>
<td>D.M. METERS</td>
<td>D.M. METERS</td>
<td></td>
</tr>
<tr>
<td>DOS River</td>
<td>32 08</td>
<td>80 31</td>
<td>1927 Topo</td>
</tr>
<tr>
<td>(Bu. #2 Cooper)</td>
<td></td>
<td>(-21)</td>
<td></td>
</tr>
<tr>
<td>BEAK River</td>
<td>32 08</td>
<td>80 52</td>
<td></td>
</tr>
<tr>
<td>(Bu. #4 Cooper)</td>
<td></td>
<td>(-1759)</td>
<td></td>
</tr>
<tr>
<td>UNE Creek</td>
<td>32 07</td>
<td>80 53</td>
<td></td>
</tr>
<tr>
<td>(Bu. #1 Ramshorn)</td>
<td></td>
<td>(-367)</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 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.
61392

DESCRIPTIVE REPORT

TOPOGRAPHIC SHEET Z

C.A. EGNER, CHIEF OF PARTY
TO ACCOMPANY TOPOGRAPHIC SHEET Z

Field Z

Project F.P. 4 (Ga.)
Party No. 23
Year 1934
State South Carolina
Savannah, Ga.
Cooper River.
Adjoins sheets Y, X, W, H', I'.
Sheet on reverse side: Y
Scale: 1/10,000
Datum N.A. 1927
C. A. Egner, Chief of Party.
G. R. Dietz, Topographer.
Instructions dated Dec. 4, 1933.
DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET Z

METHODS USED:

The usual plane-table equipment. Practically all stations were located by intersection from triangulation established in the locality, supplemented in one instance by traverse in restricted sections of Bull Creek, and by cuts from 3-point fixes. High water line and marsh grass line were rodded in at several set-ups.

PURPOSE OF SURVEY:

To provide control for hydrography, to establish recoverable stations for future surveys, to tie down aerial photography for charting the locality, to revise existing surveys.

MARKING OF STATIONS:

Numerous triangulation stations throughout the sheet were marked in the accepted permanent manner by standard discs in concrete posts. Several natural objects were located and are included in the "List of Landmarks". In addition, numerous stations were marked by blazes on trees, and by 4"x4" cypress posts 8 foot long driven in the ground with about 1-foot protruding. These stations were selected at representative points throughout the sheet.

LANDMARKS:

Only a few worthy of the name occur on this sheet. These have been listed on the accepted form "Landmarks for Charts".

RECOVERABLE STATIONS:

See paragraph above "Marking of Stations". It is believed that there are sufficient triangulation stations on this sheet to provide for the future, taken together with the ones marked with cypress posts.
GEOGRAPHIC NAMES:

The present charted names have been used as these are the accepted local names.

MAGNETIC MERIDIAN:

Taken from set-up at triangulation station CREIGHTON, U.S.E., on June 14, 1954.

METHOD OF TRANSFER OF SIGNALS TO HYDROGRAPHIC SHEET:

Recoverable stations by d.m. and d.p’s.

Non-recoverable stations by tracing.

VERTICAL CONTROL:

None.

CHANGES SINCE PREVIOUS SURVEYS:

Since shoreline has not been required on this sheet, except in fragmentary pieces, it is difficult to say what changes have taken place since the last survey. The latter, however, was taken so long ago and under less accurate and complete instructions that it is apparent that many minor discrepancies will be noted when this sheet is supplemented by the photographs.

MISCELLANEOUS:

A line of signals was established in range, running from Triangulation Station COOPER to the southwest and including signals END, NEW, GAR, IN, CON, and LAST. This line was established because it gave the maximum amount of control with the minimum number of signals.

Respectfully submitted,

G. R. Dietz

Approved and forwarded;

C. A. Egner, Chief of Party
LANDMARKS FOR CHARTS

Savannah, Ga.

Aug. 31, 1934

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:

C. A. Emery
Chief of Party

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>POSITION</th>
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<th>METHOD OF DETERMINATION</th>
<th>CHARTS AFFECTED</th>
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<td>LONGITUDE</td>
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<tr>
<td>DOS - Bn. No. 2</td>
<td>32 08</td>
<td>1827</td>
<td>169 1927</td>
<td>N.A. Topo</td>
<td>1240, 571</td>
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<td>Cooper River</td>
<td>(-21)</td>
<td>80 51(1408)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>BE&amp;K - Bn. No. 4</td>
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<td>68</td>
<td>620</td>
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<tr>
<td>Cooper River</td>
<td>(1759)</td>
<td>(953)</td>
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<tr>
<td>UNE - Bn. No. 1</td>
<td>32 07</td>
<td>1481</td>
<td>575</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>Ramshorn Creek</td>
<td>(367)</td>
<td>(998)</td>
<td></td>
<td>&quot;</td>
<td>&quot;</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 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 T 6139a.

This shut has been examined in connection with air plots compilation T 5134. The projection, Reference Station and driven joints and counts. See Review of T 5134 for detailed discussion.

L. C. Handy
V.Bg. Goves
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R.S. Patton, Director

State: SOUTH CAROLINA

DESCRIPTIVE REPORT

Topographic Sheet No. 6139h

Locality

THREE HOMES

GALLOUQUE SOUND

1934

CHIEF OF PARTY

E. A. Egner
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. Y

REGISTER NO. 6139h

State SOUTHERN CAROLINA

General locality SOUTH TYBEE ROADS

Locality CALIBOGUE SOUND

Scale 1/10,000 Date of survey JUNE 1934

Vessel PARTY NO. 23

Chief of party C. A. ECHNER

Surveyed by G. R. DIETZ

Inked by

Heights in feet above ground to tops of trees
Contour Approximate contour Form line interval feet
Instructions dated DECEMBER 4 1933

Remarks THIS SHEET FOR TOPOGRAPHIC AND HYDROGRAPHIC CONTROL ONLY
DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET

FIELD: Y
PROJECT: F. P. 4
PARTY: NO. 23
YEAR: 1934
STATE: SOUTH CAROLINA
GENERAL LOCALITY: SAVANNAH, GEORGIA
LOCALITY: CALIBOGUE SOUND
ADJOINS SHEETS: X, Z, H'
SHEET ON REVERSE SIDE: Z
SCALE: 1/10,000
DATUM: N. A. 1927
CHIEF OF PARTY: C. A. EGNER
TOPOGRAPHER: G. R. DIETZ
DATE OF INSTRUCTIONS: DECEMBER 4, 1933
INKED BY: J.Q.P.
INSTRUMENTS USED:

The usual plane table equipment.

METHODS:

All stations were located by intersection from triangulation established in the locality and by cuts taken from 3-point setups. High water line and marsh grass line was rodged in at several setups.

PURPOSE OF SURVEY:

To provide control for hydrography, to establish recoverable stations for future surveys, to tie down aerial photography for charting the locality, to revise existing surveys.

MARKING OF STATIONS:

Numerous triangulation stations throughout the sheet were marked in the accepted permanent manner by standard discs in concrete posts. In addition numerous stations were marked by distinctive blazes on trees, and by 4"x 4" cypress posts 8' long driven in the ground with about 1' protruding. These stations were selected at representative points throughout the sheet.

LANDMARKS:

No landmarks worthy of the name occur on this sheet, except those previously established as triangulation.

RECOVERABLE STATIONS:

See paragraph above MARKING OF STATIONS. It is believed that there are sufficient triangulation stations on this sheet to provide for the future, taken together with the ones marked with cypress posts and blazes.
GEOGRAPHIC NAMES:

The present charted names have been used as these are the accepted local names.

MAGNETIC MERIDIAN:

Taken from setup at triangulation station FOR 2 on June 21, 1934.

METHOD OF TRANSFER OF SIGNALS TO HYDROGRAPHIC SHEET:

Recoverable stations by d.m. and d.p.
Non-recoverable stations by tracing.

VERTICAL CONTROL:

None.

CHANGES SINCE PREVIOUS SURVEYS:

Since shoreline has not been required on this sheet, except in fragmentary pieces, it is difficult to say what changes have taken place since the last survey. It is thought, however, that many minor changes will be noted when this sheet is supplemented by the photographs.

Respectfully submitted

[Signature]

Approved and forwarded

[Signature]

Chief of Party
DESCRIPTION OF RECOVERABLE STATIONS

TOPO SHEET Y

<table>
<thead>
<tr>
<th>NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
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<td>Mud</td>
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<td>827</td>
<td>80-49 212</td>
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<tr>
<td></td>
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<td>(-1361)</td>
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<tr>
<td>Cal</td>
<td>32-08</td>
<td>1027</td>
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<td></td>
<td>(-8521)</td>
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<td>32-09</td>
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<td>80-48 753</td>
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<tr>
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<td>(-65)</td>
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</table>
This sheet has been examined in connection with air photo compilation T5134. The projection and described sheet has been checked and the correct Reference station for 2 is noted on sheet as Lat 32°-05'-70.9 m Long 60°-49'-140.5 m and noted to be a N.A. 1927 position. The adjusted N.A. 1927 position is Lat 32°-08'-62.5 m Long 60°-49'-141.6 m. In further checking it is found that the station is plotted to the N.A. 1927 position and that the reference note is in error. See Report T5134 for detailed discussion.

L. E. Landy

J. G. Jones