

6139a

U. S. COAST & GEODETIC SURVEY  
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NOV 30 1934

Acc. No.

Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State ~~South Carolina~~

DESCRIPTIVE REPORT

Topographic  
~~Hydrographic~~

Sheet No. Z 6139a

LOCALITY

~~Cooper River~~  
Tybee Roads

Cooper River

193 4

CHIEF OF PARTY

C. A. Egner

U. S. GOVERNMENT PRINTING OFFICE: 1929

6139a

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

U. S. COAST AND GEODETIC SURVEY  
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NOV 30 1934

Acc. No. \_\_\_\_\_

REG. NO. 61392

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. 61392

State SOUTH CAROLINA

General locality SATYBEE ROADS

Locality COOPER RIVER

Scale 1/10,000 Date of survey JUNE, 1934

Vessel PARTY NO. 23

Chief of party C. A. EGNER

Surveyed by G. R. DIETZ

Inked by \_\_\_\_\_

Heights in feet above \_\_\_\_\_ to 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: 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: JGP

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 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. 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 uses 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

*Guy B. Dietz*

*O. Egan*  
*Chief of Party*

# LIST OF RECOVERABLE STATIONS

TOPO SHEET Z

NAME		LATITUDE o ' METERS		LONGITUDE o ' METERS	DESCRIPTION
Hub	32-07	674 (-1174) (-459)	80-55	811	4" x 4"x 8' cypress hub
Last	32-07	1389 (-1229.5)	80-55	711	4" x 4" x 8' bypress hub
In	32-08	619 (-1778)	80-54	980	4" x 4" x 8' cypress hub
New	32-09	70 (-367)	80-53	989	4" x 4" x 8' cypress hub
Beacon #1					
Une	32-07	1481 (-226)	80-53	575	Junction Ramshorn Creek and Cooper River.
Ben	32-07	1623 (-1759)	80-52	1623	4" x 4" x 8' cypress hub
Beacon No.4					
(Beak)	32-08	88 (-460)	80-52	620	Midstream Cooper River about 1670 meters N.E. CREIGHTON U.S.E.
Son	32-08	1388 (-21)	80-51	1142	4"x 4"x 8' cypress hub
Beacon No.2					
(Dos)	32-08	1827 (-434)	80-51	169	Junction Bull Creek & Cooper Riv.
Way	32-09	1414	80-51	1303	4"x 4"x 8' cypress hub

DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY

SHEET 2.

## 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. EGNER

*Chief of Party.*

[illegible]

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, flagstuffs and like objects are not sufficiently permanent to chart.

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

DEC 28 1934

Acc. No. \_\_\_\_\_

61392

DESCRIPTIVE REPORT

TOPOGRAPHIC SHEET Z

C..A. EGNER, CHIEF OF PARTY



TO ACCOMPANY TOPOGRAPHIC SHEET Z

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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

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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, 1934.

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*  
G. R. Dietz

Approved and forwarded;

*C. A. Egner*  
C. A. Egner, Chief of Party

DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY

# 891  
(1934)

## 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. Ezner

*Chief of Party.*

[illegible]

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, flagstaves and like objects are not sufficiently permanent to chart.

## Review of T 6139a.

This sheet has been examined in connection with air photo compilation T 5134.

The projection, Reference station and described stations are correct. See Review of T 5134 for detailed discussion.

L. C. Landy  
✓ B. G. Jones

6139b

U. S. COAST & GEODETIC SURV  
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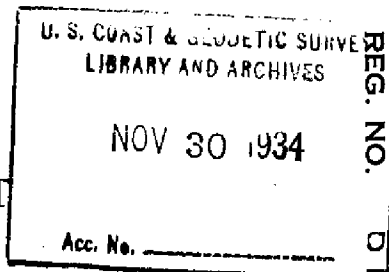
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6139b

Form 504 Ed. June, 1928	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY R.S. Patton, Director	
State: SOUTH CAROLINA	
DESCRIPTIVE REPORT	
Topographic <del>Hydrographic</del>	Sheet No. Y 6139b
LOCALITY	
TYBEE ISLAND	
CHATELAIN SOUND	
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. Y

REGISTER NO. 6139h

State SOUTH CAROLINA

General locality SAN TYBEE ROADS, GIL

Locality CALIBOGUE SOUND

Scale 1/10,000 Date of survey JUNE, 1934

Vessel PARTY NO. 23

Chief of party C. A. EGNER

Surveyed by G. R. DIETZ

Inked by \_\_\_\_\_

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated DECEMBER 4, 1933

Remarks: THIS SHEET FOR TOPOGRAPHIC AND HYDRO-

GRAPHIC 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.G.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 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. 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

*Guy R. Dietz*

Approved and forwarded

*B. H. H. H.*  
*H. C. G. S.*  
*Chief of Party.*

# DESCRIPTION OF RECOVERABLE STATIONS

TOPO SHEET Y

NAME	LATITUDE		LONGITUDE		DESCRIPTION
	°	' METERS	°	' METERS	
		(-1021)		(-1361)	
Mud	32-07	827	80-49	212	4"x 4"x 8' cypress stake
		(821)		(-678)	
Cal	32-08	1027	80-48	894	4"x 4"x 8' cypress stake
		(-1801)		(-819)	
Low	32-09	47	80-48	753	4"x 4"x 8' cypress stake
		(-63)		(-436)	
Fly	32-09	1785	80-47	1136	4"x 4"x 8' cypress stake

## Review of T 61396

This sheet has been examined in connection with air photo compilation T 5134. The projections and described stations have been checked and are correct.

Reference station Far 2 is noted on sheet as Lat  $32^{\circ}-08'-70.9m$ . Long  $80^{\circ}-49'-140.5m$  and noted to be a N.A. 1927 position. The adjusted N.A. 1927 position Lat  $32^{\circ}-08'-62.5m$  Long  $80^{\circ}-49'-141.6m$ .

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 review T 5134 for detailed discussion.

L. C. Hardy  
- B.G. Jones