

6159a

U. S. COAST & GEODETIC SURVEY  
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DEC 28 1934

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

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

JAN 21 1935

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

Form 504  
Rev. Dec. 1933  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No. \_\_\_\_\_

6159a

U

State Georgia

LOCALITY

Eastern SAPELO SOUND Sound and  
northern part of Mud River.

193 4

CHIEF OF PARTY

Herman Odessey

U. S. GOVERNMENT PRINTING OFFICE: 1934

6159a

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

DEC 29 1934

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

REG. NO. 61592

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. R U

REGISTER NO. 61592

State Georgia

General locality In Sapelo Sound

Locality Eastern part of Sapelo Sound and northern part of Mud River

Scale 1:10000 Date of survey Mar. 18, 19 34

Vessel Gilbert

Chief of party Herman Odessey

Surveyed by Edwin Shuffle Jr., Observer

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

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

Contour, Approximate contour, Form line interval none shown feet

Instructions dated December 5, 19 33

Remarks: Uninked sheet transferred to party of C.A. Egner on  
April 7, 1934.

DESCRIPTIVE REPORT  
to accompany  
TOPOGRAPHIC SHEETS - A, B, C, D, E, F, G, & H.  
Ogeechee River to Doboy Sound

PROJECT

1934.

DATE OF INSTRUCTIONS

December 5th, 1933.

CHIEF OF PARTY

Herman Odessey, H. & C. Engineer,  
Commanding Ship GILBERT.

TOPOGRAPHER

E. Shuffle, Jr. Observer.

INSTRUMENTS

The standard alidade, telemeter rods, and  
plane table equipment were used with aluminum sheet and a special board.

PURPOSE OF SURVEY

The purpose of this survey was to locate  
signals for hydrography on the Inland Waterway of Georgia from the Ogee-  
chee River to Doboy Sound, and to obtain data needed to reduce aerial  
photographs of this area to an accurate scale.

PROCEDURE

Most of the set-ups were made at triangula-  
tion stations, and the hydrographic signals cut in. At least one magnetic  
meridian was obtained on every sheet. No local disturbances were noticed.  
The bearing of all the ranges was accurately determined by obtaining three-  
point fixes on the range. All of the landmarks not located by triangula-  
tion were cut in, and a list is attached. Permanent topographic marks  
were put in at intervals of about one mile and the descriptions of the stations  
are attached. As your circular letter was not received until the middle  
of March, after the first seven sheets had been completed the sheets were  
taken to the field again, to rod in sections of shore line. In addition  
to the topography, the triangulation stations, falling on the sheets, were  
recovered, and in a few cases, the descriptions were revised according to  
the changes that had taken place.

SKETCHES

As the circular letter supplemented the written  
instructions of December 5th, 1933, your instructions in regard to leaving  
the cuts on the sheets could not be complied with in full, as most of the  
sheets has been cleaned up, although wherever it was possible, the cuts  
were freshened up. The range lines were inked and their bearings were  
taken off the sheets by a three-arm steel protractor. Alongside of each  
hydrographic signal, its descriptions were printed and sketched, so as to  
enable any party to locate these signals quickly. There was no field sketch-  
ing done on the sheets.



All recoverable hydrographic, topographic, and the triangulation stations were indicated by red dots. The hydrographic and topographic stations were indicated by red circles, while the triangulation stations were indicated by red equilateral triangles.

On the magnetic meridians, there was printed the time of day, the date, and the station at which the meridian was obtained.

U. S. Coast & Geodetic Survey topographic stations were labeled "Stand" with the name of the station alongside of it. U. S. Engineer stations were labeled "Engineer Stand".

#### MISCELLANEOUS

##### Vertical Control :

As these sheets are intended primarily for aerial photo control and for locating hydrographic signals, no attempt was made at vertical control.

##### Geographic Names:

The geographic names are correct as charted.

##### CHANGES IN PROMINENT OBJECTS:

Johnson Creek Beacons Nos. 1, 2, and 4 were relocated by plane table method and described.

Mud River Front Ranges Nos. 2, 3, 4, and 5, and Mud River Rear Ranges Nos. 1, 2, 3, 4, and 5, were relocated by plane table methods and described.

The descriptions of Mud River Ranges differ considerably from the descriptions given in our latest Inside Route Pilot ( 1931 ).

The descriptions of these ranges were written underneath their positions on sheets "G" and "H" as stipulated in your circular letter of the middle of March in regard to all landmarks.

Approved:

Herman Odessey  
Herman Odessey  
Chief of Party

Respectfully submitted,

Edwin Shuffle, Jr.  
Edwin Shuffle, Jr.  
Observer.

*See Air Photo Compilation T-5218 and report of same for detail and discussion of the area north of lat. 31°33' and east of long. 81°14'.*

*See Air Photo Compilation T-5219 and report of same for detail and discussion of area west of long. 81°14'.*

*J. R. S.*

## Plane Table Stations.

Sheet <sup>U</sup>~~1~~<sup>2</sup>

Name	Latitude D. M. Meters	Longitude D. M. Meters	Description of Object;
Bar <i>Bad</i>	31 33 1577.5	81 13 63.2	See Form 524, Description of Topographic Station.
Jo <i>Jo</i>	31 33 535.0	81 13 1401.8	See Form 524, Description of Topographic Station.
Sid <i>Sid</i>	31 31 966.5	81 13 64.8	of Topographic Station) See Form 524, Description)



REVIEW OF GRAPHIC CONTROL SURVEY T- 6159a, SCALE 1:10,000Date of Review *Aug. 25, 1935*

- ✓ 1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5/20, , , 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.
- ✓ 2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5/20, , , 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.

*M. D. Crook*  
*V. B. G. Jones*

6159b

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Form 504  
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DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY  
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No.

6159b

SV

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

JAN 21 1935

Acc. No.

State Georgia

LOCALITY

Wast. end of Sapelo Sound

Entrance to Sapelo and Mud Rivers

and Mud River.

1934

CHIEF OF PARTY

Herman Odessey

U. S. GOVERNMENT PRINTING OFFICE: 1934

6159b

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

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TOPOGRAPHIC TITLE SHEET

REG. NO. 6159b

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. Q V

REGISTER NO. 6159b

State Georgia

General locality Inlet Sapelo Sound

Locality Entrance to Sapelo Sound, Mud River, and Front River

Scale 1:10000 Date of survey Mar. 1, 19 34

Vessel Gilbert

Chief of party Herman Odessey

Surveyed by Edwin Shuffle Jr., Observer

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

Heights in feet above ----- to ground to tops of trees

Contour, Approximate contour, Form line interval none shown feet

Instructions dated December 5, 19 33

Remarks: Uninked sheet transferred to party of C. A. Egner on  
April 7, 1934.



DESCRIPTIVE REPORT  
to accompany  
TOPOGRAPHIC SHEETS - A, B, C, D, E, F, G, & H.  
Ogeechee River to Doboy Sound

PROJECT 1934.

DATE OF INSTRUCTIONS December 5th, 1933.

CHIEF OF PARTY Herman Odessey, H. & G. Engineer,  
Commanding Ship GILBERT.

TOPOGRAPHER E. Shuffle, Jr. Observer.

INSTRUMENTS The standard alidade, telemeter rods, and  
plane table equipment were used with aluminum sheet and a special board.

PURPOSE OF SURVEY The purpose of this survey was to locate  
signals for hydrography on the Inland Waterway of Georgia from the Ogee-  
chee River to Doboy Sound, and to obtain data needed to reduce aerial  
photographs of this area to an accurate scale.

PROCEDURE Most of the set-ups were made at triangula-  
tion stations, and the hydrographic signals cut in. At least one magnetic  
meridian was obtained on every sheet. No local disturbances were noticed.  
The bearing of all the ranges was accurately determined by obtaining three-  
point fixes on the range. All of the landmarks not located by triangula-  
tion were cut in, and a list is attached. Permanent topographic marks  
were put in at intervals of about one mile and the descriptions of the stations  
are attached. As your circular letter was not received until the middle  
of March, after the first seven sheets had been completed the sheets were  
taken to the field again, to rod in sections of shore line. In addition  
to the topography, the triangulation stations, falling on the sheets, were  
recovered, and in a few cases, the descriptions were revised according to  
the changes that had taken place.

SHEETS As the circular letter supplemented the written  
instructions of December 5th, 1933, your instructions in regard to leaving  
the cuts on the sheets could not be complied with in full, as most of the  
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On the magnetic meridians, there was printed the time of day, the date, and the station at which the meridian was obtained.

U. S. Coast & Geodetic Survey topographic stations were labeled "Stand" with the names of the station alongside of it. U. S. Engineer Stations were labeled "Engineer Stand".

#### MISCELLANEOUS

##### Vertical Control

As these sheets are intended primarily for aerial photo control and for locating hydrographic signals, no attempt was made at vertical control.

##### Geographic Names

The geographic names are correct as charted.

##### Changes in Prominent Objects

Johnson Creek Beacons Nos. 1, 2, and 5 were relocated by plane table method and described. See T-5217 & T-5218 (Air Photo) <sup>D.R.S.</sup>

Mud River Front Ranges Nos. 2, 3, 4, and 6, and Mud River Rear Ranges Nos. 1, 2, 3, 4, and 6, were relocated by plane table methods and described.

The descriptions of Mud River Ranges differ considerably from the descriptions given in our latest Inside Route Pilot (1931).

The descriptions of these ranges were written underneath their positions on sheets "G" and "HW" as stipulated in your circular letter of the middle of March in regard to all landmarks. *No descriptions on sheets. D.R.S.*

Approved:

*Herman Odessey*  
Herman Odessey  
Chief of Party

Respectfully submitted,

*Edwin Shuffle, Jr.*  
Edwin Shuffle, Jr.  
Observer.

*See Air Photo Compilation T-5219 and review for same for details and discussion of this area.*

*D.R.S.*



## Plane Table Positions.

Sheet ~~100~~ ✓

Name	Latitude D. M. Meters			Longitude D. M. Meters			Description of Objects.
Mud River Rear Range #1	31	30	763.6	81	16	331.6	See Form 524, Description of Topographic Station.
Mud River Front Range #2	31	30	981.0	81	16	1070.4	See Form 524, Description of Topographic Station.
Mud River Rear Range #2	31	30	867.2	81	16	1362.5	See Form 524, Description of Topographic Station.
Mud River Front Range #3	31	30	1245.5	81	16	578.8	See Form 524, Description of Topographic Station.
Mud River Rear Range3	31	30	1483.6	81	16	622.5	See Form 524, Description of Topographic Station.
Mud River Front Range #4	31	30	1154.8	81	16	819.6	See Form 524, Description of Topographic Station.
Mud River Rear Range #4	31	30	1403.5	81	16	622.2	See Form 524, Description of Topographic Station.
Mud River Front Range #6	31	29	1309.0	81	17	929.0 <del>829.0</del>	See Form 524, Description of Topographic Station.
Mud River Rear Range #6	31	29	1528.0	81	17	864.8	See Form 524, Description of Topographic Station.
Ace Ale	31	32	228.0	81	17	1078.7	See Form 524, Description of Topographic Station.
Sam	31	33	183.0	81	16	158.2	See Form 524, Description of Topographic Station.
Bell Ear	31	30	1182.0	81	18	259.5	See Form 524, Description of Topographic Station.
Lie	31	30	988.8	81	16	1312.5	See Form 524, Description of Topographic Station.

