

6245

U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R.S. Patton, Director

State: South Carolina

DESCRIPTIVE REPORT

Topographic } Sheet No. "T"
~~Hydrographic~~

LOCALITY

Entrance to Winyah Bay.

Vicinity of Middle Ground

1935

CHIEF OF PARTY

Herman Odessey

U. S. GOVERNMENT PRINTING OFFICE: 1931

6245

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO.

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. "F"

REGISTER NO. 6245

State South Carolina

General locality Entrance to Winyah Bay, South Carolina

Locality Vicinity of Middle Ground Entrance to Winyah Bay

Scale 1:10000 Date of survey March 14th, 1935

Vessel "GILBERT"

Chief of party Herman Odessey

Surveyed by Edwin Shuffie, Jr., Surveyor.

Inked by Edwin Shuffie, Jr., Surveyor.

Heights in feet above ground to tops of trees
none shown

Contour, Approximate contour, Form line interval 29 feet

Instructions dated Office Letter-22-AB, 1995, GI4, Oct./1934.

Remarks:

(1)

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET - "F"

Entrance to Winyah Bay, and approach to the entrance from the three-fathom curve.

(South Jetty Wall to Lat. $33^{\circ}-14'$ N)

PROJECT - 1935

DATE OF INSTRUCTIONS

Letter from the Director, Oct. 29, 1934.
Ref: No. 22-AB, 1995, GI4.

CHIEF OF PARTY

Herman Odessey, H. & G. Engineer,
Commanding Ship "GILBERT".

TOPOGRAPHER

Edwin Shuffle, Jr., Surveyor.

INSTRUMENTS

The standard alidade, telemeter rods,
and plane table equipment were used with the aluminum backed sheets.

PURPOSE OF SURVEY

The purpose of this survey was to
locate signals for hydrography within the limits of the sheet.

PROCEDURE

The hydrographic signals south of
triangulation station "JET" were located by obtaining three-point
fixes near them and then rodding them in. In order to locate the
signals north of station "JET", a traverse was run, the distance
checking accurately with a cut to the Jetty Light.

A magnetic meridian was obtained at
triangulation station "JET", no local disturbances being noticed.

continued

SHEETS

The sheet was inked by the topographer. Each of the hydrographic signals, topographic, and triangulation stations were indicated by a red dot - the hydrographic signals and topographic stations were marked with red circles, and the triangulation stations by red equilateral triangles.

The names of the topographic and triangulation stations were placed on the sheet along with sketches indicating the type of the signals used for the hydrography.

On the magnetic meridian was placed the time of day, the date, and the station at which the observation was made.

The cuts to all signals located by plane table methods were left on the sheet. In some cases, where these cuts were light, or had been partly erased from cleaning up the sheet, they were redrawn.

CHANGES IN PROMINENT OBJECTS

The south jetty wall is awash at 1/4 tide, while the north jetty wall is visible at all stages of the tide. The mound at and the east end of the north jetty is not readily noticeable, /has evidently been broken up by the wave action, while the mounds on the south jetty wall are prominent landmarks.

MISCELLANEOUS

Vertical Control - As these sheets were intended primarily for the control of aerial photographs, and for locating hydro-

continued

graphic signals, no attempt was made at vertical control.

Geographic Names - The geographic names are correct as charted.

SOUTH JETTY MOUNDS

The east and west cut to the middle and west mounds on the south jetty wall were drawn using the line of direction or the wall as determined from the triangulation station "JETTY LIGHT" and the hydrographic signals located in the center or the wall on sheet "A".

Approved:

Herman Odessey
Herman Odessey,
Chief of Party.

Respectfully

Edwin Shuffle, Jr.
Edwin Shuffle, Jr.,
Surveyor.

PLANE TABLE POSITIONS - SHEET "F"

NAME	LATITUDE D. M. METERS	LONGITUDE D. M. METERS	DESCRIPTION OF OBJECTS
South Jetty, Middle Mound.	33 11 772.2	79 09 9.5	See form #524 Description of Topo- graphic Stations.
South Jetty, West Mound.	33 11 774.2	79 09 1196.3	Same as above

