

4164

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Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
L. & A.	
State: South Carolina	Acc. No.
11-5613	
DESCRIPTIVE REPORT.	
Topographic	Sheet No. 4164 <sup>B</sup>
LOCALITY:	
South Carolina Coast	
Lower Part of North Island to	
Murphy's Island	
1925	
CHIEF OF PARTY:	
L.C. Wilder	

4164

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

NO. -----

(field sheet B)

SOUTH SANTEE RIVER TO NORTH ISLAND

SOUTH CAROLINA

LAUNCH MIKANE

Scale 1:20000 August-October 1925.

D DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

NO. -----

(field sheet B)

SOUTH Santee RIVER TO NORTH ISLAND

SOUTH CAROLINA

Launch Mikawe

SCALE 1:20000

August - October 1925

## AUTHORITY.

Instructions for this work were dated June 12, 1925 and called for revision topography along the coast and up bays, inlets and rivers to a point where a check and junction was made with previous surveys.

## LIMITS.

The work on this sheet covers a stretch of coast-line from the South Santee River to a point on North Island abreast of triangulation station DUNE and into the Santee Rivers and Winyah Bay for a distance of three to five miles.

## CONTROL.

Control was furnished by traverse and triangulation stations the adjusted positions of which we did not have at the time the survey was made. The positions used vary little more than three or four meters from the adjusted positions. A traverse was run from A Tee to A Murphy, then small error adjusted and then stands upon which the plane-table could be set up in order to see over the tall marsh grass were built at C BUR and C MAG and cut in from triangulation and topographic stations situated on the outside beach. A traverse was also run from A JET to C LEO at which point a three point fix was obtained which checked the traverse point by three meters. All plane-table traverse measurements were made with a 100 meter wire instead of by stadia. Nearly all the other topography was performed by use of the three point fix following the establishment of sufficient control. In the Santee Rivers the sextant was used in places where it was impossible to use the plane-table.

## GENERAL DESCRIPTION OF THE LOCALITY.

The land in general where wooded, is but a few feet above high-water; where marsh is shown it is either a few feet above or high-water makes back into the tall marsh grass covering the soil.

## GENERAL DESCRIPTION OF THE LOCALITY (Contd)

The sand dunes shown on the sheet exclusive of those on North Island are low, not exceeding five or ten feet in height. Those on the south part of North Island and also on the outside coast of this same island are somewhat higher and more prominent, ranging from ten to twenty-five feet in height, none however are prominent enough to be of use to the mariner. The long narrow sand island making from the south jetty at O CAP to the south and west is but a foot or two above high water and hardly discernible from seaward. The areas shown as marsh are covered with high marsh grass, most of it five to ten feet in height; this prevails particularly on the borders of the Santee Rivers, which were at one time cultivated for the production of rice.

The north jetty and the south jetty from it's offshore end to a point abreast of O CAP, exclusive of the jetty mounds, cover at about one half tide. <sup>with rocks here and there awash at high water.</sup> The single mound on the north jetty at it's offshore end <sup>higher</sup> is awash at high water. The three rock mounds on the south jetty are quite prominent from the north and south and also from seaward. They are about ten feet above high water, dark in color and conical. The offshore mound serves as a foundation for the South Jetty Light which gives <sup>this</sup> point particular prominence. Georgetown L. Hse. is the most prominent object in this locality. The wireless antennae and the Weather Bureau signal tower north of the light-house, also the channel range beacons are prominent.

## CHANGES IN THE SHORE-LINE

Radical changes in the shore-line have taken place within the scope of this sheet. The <sup>north</sup> points at the entrances to Winyah Bay and the Santee Rivers have built out in a south and easterly direction very extensively. An island has formed in the center of the South Santee River and another shown on previous charts at the mouth of the North Santee River has eroded away leaving no evidence of it having been

there at one time. The long narrow sand island at the south jetty is undoubtedly a result of the construction of the jetties at the entrance to Winyah Bay. Changes have taken place throughout the extent of this sheet; erosion in some places but mostly the building out of points and in some places the straight away beach.

cable

A telegraph <sup>1</sup> makes out from the east shore of Winyah Bay at a point about 20 meters north of the dock at Georgetown Light House. It is believed that the trend of this cable is towards the temporary docks on the opposite side of the bay in a west north westerly direction. The other end of this cable could not be located.

Respectfully submitted,

J.M.Neal.

Examined and Forwarded.

*L.C. Wilder*  
L.C. Wilder.  
Chief of Party.

# PLANE TABLE POSITIONS

Field sheet "B"

Object	Lat.	D.M.	Long.	D.P.	Height	Remarks
① Do. R. Beacon	33-12	13.	79-11	232.		wooden shape ✓
① Can-F.R. Beacon	33-11	1660.	79-10	998		" " ✓
① Cap-F.R. Beacon	33-11	1005	79-10	126		" " ✓
① Three-Jetty mound	33-11	766	79-10	1189	8ft above H.J.	rock mound ✓
① Two-Jetty Mound	33-11	773	79-08	1546.	10 feet	rock mound ✓
Radio ① Comp. Sta. small frame bldg.	33-13	572	79-11	267		calibrating tower on roof. ✓
Antennae Tower	33-13	661	79-11	307		Steel
Antennae Tower	33-13	714	79-11	310		Steel
W.B. Signal Tower Storm warning.	33-13	869	79-11	153		Steel ✓
① Cob-S. Chimney	33-13	1137	79-11	407		Frame house
Wheeler House						
Tank	33-13	989	79-12	375		Wood tank
Flag pole ① Pole	33-13	1592	79-12	331		

checked L.C.W.





E.P.E.

ADDRESS THE DIRECTOR  
U.S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 11-DEM

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

August 18, 1926.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4164

Winyah Bay and Santee River

Surveyed in 1925

Instructions dated June 12, 1925 (Wilder)

Chief of Party, L. C. Wilder.

Surveyed and inked by J. M. Neal.

1. The records conform to the requirements of the General Instructions except that names of signals should be placed in the water area where possible instead of on the land area. They stand out more clearly and do not obscure any topographic feature.
2. The plan and extent of the survey satisfy the specific instructions.
3. The junctions with the contemporary surveys, H. 4165 and H. 4160 are satisfactory. The junctions with the old surveys are also adequate.
4. The usual field drafting was done by the field party and was fairly well executed.
5. No further surveying is required.
6. Character and scope of surveying - very good.  
Field drafting - good.
7. Reviewed by A. L. Shalowitz, July, 1926.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

4164

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. **4164**

State . . . . . South Carolina . . . . .

General locality . . . . . South Carolina Coast . . . . .

Locality . . . . . ~~South Santee River to Winyah Bay~~  
Lower Part North Island to Murphy Island

Chief of party . . . . . L.C. Wilder . . . . .

Surveyed by . . . . . J.M. Neal . . . . .

Date of survey . . . . . Sept. - October, 1925. . . . .

Scale . . . . . 1: 20,000 . . . . .

Heights in feet above . . . . .

Contour interval . . . . . feet.

Inked by . . . . . Lettered by . . . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet . . . . .

Remarks:

Lower Part North Island to Murphy Island

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