

4165

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Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: South Carolina

11-5613

DESCRIPTIVE REPORT.

Topographic Sheet No. 4165

LOCALITY:

South Carolina Coast

Debidue Island to Upper

Part of North Island

1925

CHIEF OF PARTY:

L.C. Wilder

DESCRIPTIVE - REPORT

to accompany

TOPOGRAPHIC SHEET

No. -----

(field sheet C)

NORTH ISLAND AND NORTH INLET

-AN INSERTED SECTION OF WINYAH BAY.

SOUTH CAROLINA

LAUNCH MIKAWA

Scale 1:20000 October-November 1925.

AUTHORITY

This topographic survey was pro formed under instructions dated June 12, 1925 calling for revision surveys from Bull Bay north.

LIMITS

The work on this sheet covers the outside coast and the inlets back to a point of junction with old surveys, from triangulation station DUNE to and including North Inlet. Work was terminated upon the completion of the topography in North Inlet as the weather at the time this work was in progress did not warrant further operations. The work was completed as it as it was carried. An insert was made upon this sheet for the survey of several small islands in Winyah Bay. ✓

CONTROL

Sufficient control was furnished by several triangulation stations established in 1924; namely Dune, Beac, Drew 2, Town and Joe. In addition to the above a small amount of planetable triangulation was found necessary.

METHODS

A traverse was run from A Dune to signal Bee at which point it was possible to check the traverse by a three point fix; no adjustment was necessary in this traverse. All the other work on the sheet was done with use of the three point fix.

The work in Winyah Bay was done by locating the three signals "A" "B" and "C" by planetable triangulation and then running in the islands and a part of the breakwater with a sextant.

GENERAL DESCRIPTION OF THE LOCALITY.

Except for the narrow strips of wooded areas on North Island and Debidue Island the greater portion of the territory bordering on the outside coast is marshy lowlands. The beach in the vicinity of North Inlet is very low; to the south down the coast below the place where the trees on North Island begin the beach assumes a more prominent appearance due to the wooded area and the higher sand dunes. The highest dunes, 20 to 30 feet in elevation are in the vicinity of signal Hi. The island in North Inlet upon which signal Isle is located is made up of dunes from 10 to 25 feet in elevation. The groups of trees near signal Bob and at signal How are fairly prominent.

CHANGES IN THE SHORELINE

The striking change that has occurred since the last survey is in North Inlet where a new inlet has formed by Jones Creek cutting a channel through North Island. The detached island off Town Creek has also changed in position and shape. The old inlet appears to be closing up slowly.

There are no permanent landmarks on this sheet.

Approved and forwarded

L. C. Wilder
L. C. Wilder,
Chief of Party.

Respectfully submitted,

J. M. Neal

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4165

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. CREGISTER NO. **4165**State South CarolinaGeneral locality Coast of South Carolina CoastLocality Debidue Island to Upper Part of North Island
~~Winyah Bay to North Island~~Scale 1:20000 Date of survey Oct-Nov, 192⁵Vessel Launch MikawaChief of Party L.C. WilderSurveyed by J.M. NealInked by J.M. Neal

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated June 12, 1925., 192Remarks: Sheet has an insert survey of small islandsin Winyah Bay.

GPO

Debidue I. to Upper Part of North Island