

6085

U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1923

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: South Carolina

DESCRIPTIVE REPORT

Topographic } Sheet No. T 6085
-Hydrographic }

LOCALITY

Edisto Island

South Edisto River, Saver

193 4

CHIEF OF PARTY

Lt. Benjamin H. Rigg

6085

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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REG. NO. 6085

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. T

REGISTER NO. 6085

State South Carolina

General locality Edisto Island

Locality South Edisto River

Scale 1/10,000 Date of survey April & May, 1934

Vessel Shore Party No. 19

Chief of party Lt. Benjamin H. Rigg

Surveyed by Addison S. Hall

Inked by Addison S. Hall

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated October 10, 1933

Remarks:

OUTLINE OF REPORT
ALUMINUM MOUNTED CONTROL SHEET T

1. INSTRUCTIONS.
2. SCOPE OF SURVEY
 - A. Hydrographic Control.
 - B. Location of Aids to Navigation.
 - C. Shoreline location as Check on Photographs.
 - D. Recovery of U.S.E.D. Stations.
 - E. Permanent Marking of Hydrographic Stations.
3. LIMITS OF SHEET.
4. CONTROL.
5. SURVEYING METHODS USED.
6. DESCRIPTION OF TERRITORY.
7. NEW NAMES.
8. LANDMARKS.
9. HYDROGRAPHIC STATIONS PERMANENTLY MARKED.
 - A. U.S.E.D. Stations.
 - B. Hydrographic Stations.
10. FIELD INSPECTION.

DESCRIPTIVE REPORT TO ACCOMPANY
ALUMINUM MOUNTED CONTROL SHEET T

INSTRUCTIONS

The survey was carried out under Original Instructions dated October 10, 1933, also Director's letters 22MG 1990 (19), 26 AHH 293, and Circular Letter No. 30.

SCOPE OF SURVEY

The purpose of the survey was to establish hydrographic control, to locate all aids to navigation, to locate shore-line at important places as a check on the photographic work, to recover U. S. Army Engineer's stations, and to permanently mark hydrographic stations at strategic points.

LIMITS OF SHEET

The territory covered by this sheet includes the South Edisto River from its junction with sheet S on the north, lat. $32^{\circ} 31.5'$, long. $80^{\circ} 22.5'$ southward to its entrance to the sea. It includes the shore-line east from the entrance to lat. $32^{\circ} 28.8'$, long. $80^{\circ} 19.7'$. It includes the shoreline west from the entrance past the entrance of Fish Creek to lat. $32^{\circ} 28.5'$, long. $80^{\circ} 24.3'$.

CONTROL

Control was from triangulation executed in 1933 and in previous years. The following main scheme stations were used as control on this sheet:

PIERRE 1933
SOUTH 2 1933
DISTO 1933
POINT 1902
ED 1921
Edisto E. BASE
SOUND 1933
OTT 1902

No intersection stations fell within the limits of this sheet.

SURVEYING METHODS USED

The hydrographic signals were located by graphic triangulation. Relatively few signals were needed because of the width of the river. The sandy beach on the east side of the entrance of the South Edisto River was rodded in from set-ups on stakes located by graphic triangulation. Triangulation station Ed was visible from station Jig to the eastern limit of the sheet. No rod readings of more than 500 meters were taken in locating any of the high water line on either side of the entrance. The shore-line on the west side of the entrance between triangulation station South and Fish Creek was located in the same way. For the stretch of beach between Fish Creek and triangulation station Ott, a combination of graphic triangulation and a steel wire traverse was used. After the six stations used in this stretch had been cut in, a traverse was run from station Ott around to the station at the entrance of Fish Creek, using the intersection of cuts taken to the station from station Jig, and the taped distances as the true location of the station. A maximum adjustment of three meters was made. The shoreline between triangulation station South 2 and station Easy was very indefinite, being cut up with many small patches of marsh. No attempt was made to show individual patches. The actual points where rod readings were taken are shown by dots in the dashed line.

DESCRIPTION OF TERRITORY

The territory covered by the sheet is mostly marshy, with patches of forest on the higher ground. The South Edisto below Fenwick Cut broadens rapidly to a width of more than a mile at its entrance. The entrance itself is full of shoals exposed at low tide, and is practically closed to navigation. The eastern side of the entrance is a fine

sandy beach. The western side consists of patches of marsh grass. Fish Creek, entering the sea approximately one mile west of the South Edisto, has sandy beaches on each side.

NEW NAMES

All names on the present chart pertaining to the area covered by this sheet are correct. No new names should be added.

LANDMARKS -

There are no landmarks of importance on the area covered by this sheet.

HYDROGRAPHIC STATIONS PERMANENTLY MARKED

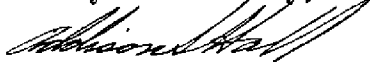
There were no U.S.E.D. stations to recover on this sheet.

Hydrographic stations Gin and Easy were marked with an 8' length of $3\frac{1}{2}$ " boiler pipe driven into the marsh. A description of these stations on form No. 524 accompanies this sheet.

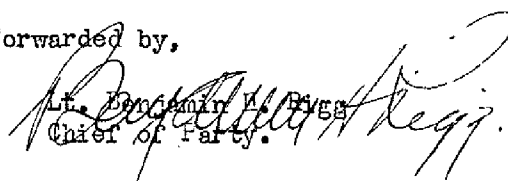
FIELD INSPECTION

The requirements stated on page 30 of the Notes on Compilation of Planimetric Line Maps have been complied with as stated in the descriptive report accompanying sheet K. Eight statute miles of shoreline were rodded in and checked with the celluloid sheets. Two points noted on the sheet at the entrance to Fish Creek were field inspected and located by topography. The field print of photo No. 158-807 K on which these points were pricked is filed with the field inspected photographs of this region.

Respectfully submitted by,


Addison S. Hall

Forwarded by,


Lt. Benjamin H. Pugh
Chief of Party.

Applied to Chart 1240

Nov. 16, 1934

K. Reynolds.