6059

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

State: South Carolina

DESCRIPTIVE REPORT

Topographic / ~~*Hydrographic*~~ *Sheet No.* L 6059

LOCALITY

Charleston, S. C.

Upper North Edisto River

1934

CHIEF OF PARTY

Lt. Benjamin H. Rigg

U. S. GOVERNMENT PRINTING OFFICE: 1951

Form 537a
Ed. Nov., 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 6059

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. L

REGISTER NO. 6059

State South Carolina

General locality Charleston, S. C.

Locality Upper North Edisto River

Scale 1-10,000 Date of survey February, 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: Aluminum mounted graphical control sheet.

OUTLINE OF REPORT

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
NO. L

INSTRUCTIONS - The survey was carried out under original instructions dated October 10, 1933, also Director's letters 22MG 1990 (19), 26 AHH293, 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 Engineers' stations, and to permanently mark hydrographic stations at strategic points.

LIMITS OF SHEET - The topography includes the Wadmalaw River from Martins Point, lat. 32° 40.2' N. long. 80° 14'. W. to and including the entrance of Leadenwah Creek, lat. 42° 36.5' N., long. 80° 14' W.

CONTROL - Control was from triangulation executed in 1928 and 1932. The following stations were used as control on this sheet:

I. Main Scheme.

Martins 1933
Clement "
Bluff "
Togo "
White Point 1933
Steam "
Point Farm "
Steam "

II. Intersection Stations.

A. U.S.E. Stations located by triangulation.

U.S.E.D. XLIX 1933

B. Miscellaneous Stations.

Windmill Martins Point
Beacon No. 11, Wadmalaw River, 1933
" " 12 " " "
" " 13 " " "
" " 14 " " "
*Beacon No. 16 " " "
W. Gable Shed, Toogoodoo River, "
Dawho Light "
Beacon No. 1, Dawho River "
" " 3 " " "
Light No. 2, North Edisto R. "

* Located by topography.

SURVEYING METHODS USED - The survey was carried out by graphic triangulation. Set-ups were made directly over triangulation stations wherever practicable. In the case of set-ups at Martins Windmill, U.S.E.D. 49, and Point Farms, it was necessary to set up a few meters from the station on range with another triangulation station. Resections and three point fixes were used to carry the survey to completion. Shoreline was rodded in at intervals. It was found that shore line could be obtained most efficiently in this marshy area by having the rodman go from point to point by outboard motor boat. A second man is needed in the boat to run the motor and to hold the boat on shore. This method is best used at about three quarters tide.

In the case of small groups of signals away from the main river, on the Toogoodoo, McLeod Creek, and Leaden wah Creek, the following procedure was followed: First, preliminary cuts were taken from a nearby triangulation station. Then set-ups were made within the group itself, at location where the intersections with the first cuts were at good angles, and as many signals as possible could be checked by taking rod readings to them.

Triangulation control was adequate throughout the area covered by the sheet. No traverses were run.

DESCRIPTION OF TERRITORY - The territory is very similar to that encountered in sheet K. The Wadmalaw River narrows after it rounds Martins Point, then gradually broadens out again below Bluff Point to a width of roughly a mile. From this point until it reaches the ocean, the river is known as the North Edisto. Several sizeable rivers and creeks enter the main river. Marsh borders the stream throughout, extending back to the higher ground which is mostly wooded.

Yellow pine predominates, but oaks, and occasionally palmettos, grow along the shores. A few scattered farm houses are visible from the river, but there are no settlements within the limits of the sheet.

NEW NAMES - WESTBANK CREEK is the name commonly given to a shallow creek which branches off from the North Edisto just south of the entrance to Steamboat Creek, and re-enters the river two miles down stream.

Mr. John Bailey of Rockville, a boat owner who has spent years on the rivers in this region, is the authority for this addition to the chart.

LANDMARKS - There are no landmarks of importance, other than beacons and lights in the territory covered by the sheet.

HYDROGRAPHIC STATIONS PERMANENTLY MARKED -

I. U.S.E.D. STATIONS.

No U.S.E.D. stations were found, other than U.S.E.D. 49, which had been cut in by triangulation and was already permanently marked.

The following stations, whose approximate location had been given us, were not recovered:

U.S.E.D. XLVII
" " XLVIII
" " L
" "

II. HYDROGRAPHIC STATIONS

The following hydrographic stations were marked permanently with 8" lengths of $3\frac{1}{2}$" boiler pipe driven into the marsh.

Descriptions of these stations on form No. 524 accompany the sheet. These stations are identified on the topographic sheet by a "D" in black ink following the station name:

1. NO
2. CALL
3. DIME
4. SPUR
5. TRIM

FIELD INSPECTION - The requirements stated on page 30 in Notes on Compilation of Plainimetric Line Maps have been complied with as outlined in the Descriptive Report accompanying sheet K.

Six and sixth tenths miles of shoreline were rodded in and checked with the shore line on the celluloid sheet.

Respectfully submitted by,

Addison S. Hall

Forwarded by,

Lt. Benjamin H. Rigg
Chief of Party
H. & G. Engineer