

6137

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. K 6137
Hydrographic }

LOCALITY

Chowan Creek

Beaufort, S. C.

1934

CHIEF OF PARTY

I. E. Rittenburg

U. S. GOVERNMENT PRINTING OFFICE: 1928

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

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REG. NO. 5137

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. K

REGISTER NO. 6137

State South Carolina

General locality St. Helena Island

Locality Chowan Creek *large*

Scale 1-10000 Date of survey March 1934, 19

Vessel Shore Party #15

Chief of party I. E. Rittenburg

Surveyed by R. S. Spalding

Inked by A. O. Dority

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated Nov. 2, 1933, 19

Remarks: _____

DESCRIPTIVE REPORT TO ACCOMPANY
GRAPHICAL CONTROL SHEET NO. K

DATE OF INSTRUCTIONS - Work on this sheet was executed under instructions dated Nov. 2, 1933.

SCOPE OF SHEET - The purpose of this sheet was to furnish control for photo compilation sheets, to locate and remark when necessary stations of other bureaus, to locate Navigational ranges, aids to navigation, natural objects for landmarks, to locate signals for hydrography, and to locate and permanently mark (when needed,) topographic stations to serve as aids to future surveys in the area.

CHARACTER OF CONTROL - Control was furnished by triangulation established in 1933.

SURVEYING METHODS - Stations were located by graphic triangulation.

DISCREPANCIES - The location of signal "Zel" by plane table failed to agree with the radial plot of the photo-compilation. The radial plotting was checked and gave a strong determination of "Zel" (the S.W. corner of a dock). Because of the fact that this signal is the last one up the creek and was located by very weak cuts, it is believed that its position was incorrectly shown on the plane table sheet.

By using the radial plot position of "Zel" and replotting the sextant-located signals "Who" and "Why", the soundings cross more favorably and agree closely with the photo-compiled shoreline.

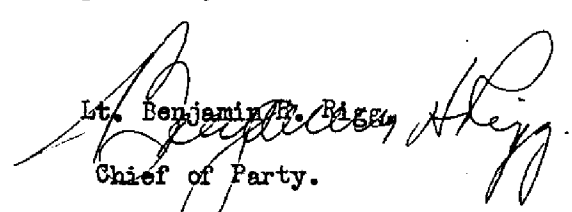
The station was visited with the idea of re-running the topography in this area, but needed signals were gone and due to high trees and other difficulties, it was considered unjustifiable. The area is of relatively little importance and the radial plot position was considered correct. Radial plot position of "Zel" (considered correct) is shown by green circle;

Permanent Hydrographic Stations -

	°	'	m.
CHY	32	22	387
	80	36	352
TEL POLE	32	22	1581
	80	38	1152
S.W. Corner DOCK	32	23	675.7*
	80	35	612.8

* Radial Plot.

Respectfully submitted,


Lt. Benjamin H. Riggs
Chief of Party.

Note - Lt. Rittenburg did not write any descriptive reports for these sheets as he did not consider it necessary. The report is written in compliance with Director's letter of October 12, 1934, Ref. 22-S.G. 1990 (19).