

8235

T-8235

T-8235
(Field) Ser (Completed)

Combined

(Air Photographic)
(Plane Table)
(Hydrographic)

T8235
Survey No. ~~88-275-8~~
(Field) CAPE ROMAIN
QUADRANGLE

U.S. COAST & GEODETIC SURVEY

LIBRARY AND ARCHIVES

MAY 18 1942

Acc. No. _____

LOCALITY

State South Carolina

General locality McClellanville

Locality Cape Romain Harbor

1942

CHIEF OF PARTY

Wm. D. Patterson

U. S. GOVERNMENT PRINTING OFFICE 815551

February 8, 1946

5328

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. CS-275-8
Cape Romain Quadrangle
REGISTER NO.

State South Carolina
General Locality McClellanville
Locality Cape Romain Harbor
Scale 1:20,000 Date of survey Mar. 11 to April 10, 1942
Vessel Defense Mapping Party No. 1
Chief of party Lieut. Comdr. Wm. D. Patterson
Surveyed by John C. Lajoie, Senior Photogrammetric Aid
Inked by John C. Lajoie, Senior Photogrammetric Aid
Heights in feet above MSL to ground ~~to tops of trees~~
Contour, ~~Approximate contour, Form line interval~~ 20 feet
Instructions dated January 23, 1942
Remarks: None

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S. 275, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

PREPARATION OF BASE MAPS

Assembly into quadrangle base sheets by photographic means of previously produced planimetric maps of the area. These maps were compiled by this Bureau from aerial photographs taken in 1934 and were published in 1935 on the scale of 1:10,000. Lithographic prints of the quadrangle base sheets on cloth-mounted paper were furnished to the field parties and ~~similar prints in red ink on celluloid sheets were furnished to the compilation office.~~

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs. The field parties were permitted to make field inspection notes either on the photographs or on the planimetric base sheet.

Contouring by planetable, directly on the photographs or on the planimetric base sheet at the option of the field party. ~~The contouring for this quadrangle was done on the~~ There are no contours on this quadrangle as the maximum elevation is 12 feet above mean sea level.

Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, driveways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Revision of the planimetric base map from the new photographs and addition of contours and corrections obtained by the field parties. No radial plot was made for this work.

FIELD EDIT

Comparison of a copy of the corrected manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

DESCRIPTIVE REPORT TO ACCOMPANY
CAPE ROMAIN

QUADRANGLE NO. 8

DEFENSE MAPPING PROJECT CS-275
Wm. D. Patterson, Chief of Party

Instructions for this Project were dated January 23, 1942.

DESCRIPTION OF COAST LINE:

No discrepancy was found in the shoreline. The shoreline was inspected from a launch and no survey actually was made except by comparison with the planimetric sheet.

See review for shoreline description

A portion of the Intracoastal Waterway appears on this sheet running across the northwest corner. The outer limits of the right-of-way are shown thus -----. The outer limits of the spoil disposal area are shown thus ----*---; however, these lines merely designate limits and should not be taken to mean any creeks shown in this area have been blocked, except those noted. The limits were taken from a 1:3000 scale plan of the U. S. Army Corps of Engineers and transferred directly to this sheet. * limits to be shown as plotted from mine lens photos in this office

All beacons and lights were inspected and a few discrepancies were noted in the naming. These discrepancies have been corrected on the map manuscript.

LANDMARKS FOR CHARTS:

No additional landmarks for charts appear on this quadrangle.

PHOTOGRAPHS:

No photographs were used. *See review of book.*

CHARACTER OF CONTROL USED:

Existing triangulation stations were used whenever necessary.

GEOGRAPHIC NAMES:

The Geographic Name Report for this area is being submitted separately.

JUNCTIONS:

This Quadrangle joins with two other Quads only; on the north with Quad. 6 and on the west with Quad. 9.

MARSHES:

All of the area of this sheet is covered with marsh except for a few sand dunes along the coast and a few high spots on the marsh, the highest not exceeding twelve feet.

BOUNDARIES:

The boundary of the Cape Romain Migratory Bird Refuge was plotted from information taken from a plat in the possession of Mr. Dupre at the Refuge Headquarters at McClellanville. *For Town ship lines not surveyed nor was the county line located by field party. These were plotted in the office from census Maps which are filed in Geographic Name section.*

GENERAL INFORMATION: There was no contouring necessary in this quadrangle as an inspection with a hand level showed no elevation over twelve feet.

The marsh line appears to conform with the planimetric detail as shown on the map manuscript. As far as could be seen, the shore line has not changed.

All triangulation in this area was recovered in good condition and recovery notes have been submitted on Form 526.

Coast Pilot Information and a Report on Aids to Navigation are the subjects of separate reports submitted by the Chief of Party.

REMARKS:

No future surveys are recommended for this area and all detail on this sheet is believed to conform to the accuracy required.

Respectfully submitted,

John C. Lajoie

John C. Lajoie
Senior Photogrammetric Aid
U.S. Coast and Geodetic Survey

Approved and forwarded:

Wm. D. Patterson.
Wm. D. Patterson,
Lieut. Comdr. U. S. C. & G. S.
Defense Mapping Field Party No. 1.

GEOGRAPHIC NAMES

Survey No. 4-8235

CAPE ROMAIN quadrangle

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A,	B,	C,	D	E	F	G	H	K	
✓ Cape Romain									1
Romain River									2
✓ Cape Island									3
Lighthouse Island									4
✓ Cape Romain Lighthouse									5
✓ Mill Island									6
✓ Cape Romain Harbor									7
Mill Den Creek									8
✓ Deepwater Point									9
Deepwater Creek									10
Casino Creek									11
✓ Alligator Creek									12
✓ Horn Creek									13
✓ Cape Romain Migratory Bird Refuge									14
✓ Murphy Island									15
✓ Intracoastal Waterway									16
✓ Ball Creek									17
✓ Southwester River									18
✓ Cedar Island									19
✓ Georgetown County									20
✓ Charleston County									21
									22
									23
									24
									25
									26
									27

Names underlined in red approved
by L. A. Heck on 11/11/42

T-825

Remarks

Decisions

1		330790 USGB
2	Not on sheet - on McClellanville	"
3		"
4	Not enough to show name	"
5		"
6		"
7		"
8	Not enough to show name.	"
9	" " " " "	"
10	" " " " "	"
11	" " " " "	"
12		"
13		"
14		"
15		331793
16		USGB
17		"
18		331792
19		"
20		
21		
22		
23		
24		
25		
26		
27		

RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault

Cloth-mounted copy of the published quadrangle.
published quadrangle at 1:20,000 scale
Black and white cloth-mounted copy of the map manuscript. This copy is filed to preserve original survey detail shown on the manuscript at 1:20,000 scale which may not have been shown on the published sheet. For political boundaries, woodland, marsh, and swamp limits, refer to the published quadrangle for the finally adopted positions. outlines.

Descriptive Report.

Division.

Filed in the Photogrammetric Section---Surveys-Branch

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Reviewing-Unit Section.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Original celluloid manuscript.

Copies of specifications and all instructions to field parties and field offices.

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

~~Special report on field work by Commander K. T. Adams, 1944.~~

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L. Gallen, 1944.

Season's report on field work by Commander R. L. Schoppe, 1944.

Delivered to the Army Map Service in accordance with the contract

Film negatives and film positives of the color separation drawings.

All color separation drawings.

~~Original celluloid manuscript.~~

A correction sheet consisting of a copy of the first edition of the quadrangle with notes in red indicating changes desirable at the next printing.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8235

CAPE ROMAIN QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy

The nearest horizontal accuracy test was run in quadrangle T-8232.

The nearest vertical accuracy test was run in quadrangle T-8233.

Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

For information on the previous topographic surveys refer to comparisons made in reviews for the 1935 air photographic surveys, T-5383, T-5384, T-5387.

Comparison with Nautical Charts Nos.

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

T-8235 was reported to the Nautical Chart standards upon receipt in this office. Shoreline changes have been made during this review which affect the charts. T-8235 has not been applied to the charts up to the date of this review.

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Only changes of a minor nature were necessary during the review of this map manuscript.

There is no celluloid manuscript for this quadrangle as the 1935 planimetric maps were reduced and printed on cloth-mounted paper and sent to the field party for the necessary additions and corrections. Therefore there is no compilation report for this quadrangle.

D.M.

Reviewed August 14, 1942

By J. H. McBeth

under direction of D. H. Benson

(per H.M.)

Inspected by B. G. Jones

B.G. Jones 2/46

Examined and approved:

K.T. Adams

Chief, Surveys Branch
Division of Photogrammetry

[Signature]
Chief, Topography Section

Robert W. Key

Chief, Div. of Charts
Nautical Chart Branch

Raymond P. Gynan
Chief, Div. of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. *F-8235*

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.