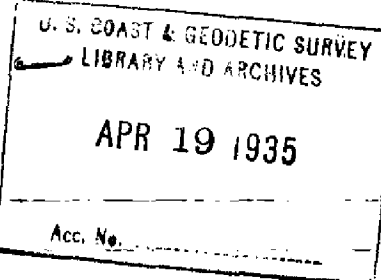


- 5377



Air
Photo

Form 504 Rev. Dec. 1933	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY R. S. PATTON, DIRECTOR	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Field 58 Sheet No. Reg. No. 5377
State <u>South Carolina</u>	
LOCALITY	
SOUTH OF SAMPIT RIVER	
WEST OF NEWPORT BAY	
WINYAH BAY	
VICINITY OF SAMPIT RIVER	
1934	
CHIEF OF PARTY	
E. H. Kirsch	

applied to chart 836 Feb. 5, 1936 Wallace & Bruden
applied to new chart 787, April 29, 1937 J.S. Lee

SHEET NO. 58
REG NO. 5377

PHOTOS NO.
125 through 145
321 through 333

DATE
August 4, 1934
August 5, 1934

TIME
7:45 A.M.
8:05 A.M.

Scale F. = $\frac{10,000}{10,526}$

PROJECTION BY

L. C. Ripley
L. C. Ripley

10-26-34

PROJECTION CHECKED BY

E. H. Kirsch
E. H. Kirsch

10-26-34

CONTROL PLOTTED BY

E. S. Ethridge
E. S. Ethridge

10-29-34

CONTROL CHECKED BY

M. L. Smith
M. L. Smith

10-30-34

CONTROL PLOTTED ON PHOTOS BY

W. W. King
W. W. King

CONTROL CHECKED ON PHOTOS BY

J. F. Richardson
J. F. Richardson

SMOOTH RADIAL PLOT BY

Transferred
L. C. Lande

SMOOTH RADIAL PLOT CHECKED BY

W. W. King
W. W. King

1-11-35

SCALE PLOT BY

Transferred
L. C. Lande

TOPOGRAPHY TRANSFERRED BY

P. W. Hund
P. W. Hund

3-18-35

Transferred
R. G. Hickson

3-18-35

TOPOGRAPHY CHECKED BY

M. L. Smith
M. L. Smith

DETAIL INKED BY

Discharged
M. R. Donaldson

12-19-34

W. W. King
W. W. King

2-9-35

AREA OF DETAIL INKED: 26.8 Square St. Miles.

LENGTH OF COASTLINE: None

LENGTH OF SHORELINE: 7 statute miles (over 200m wide)

LENGTH OF STREAMS: 0.51 Statute miles (less than 200 meters wide).

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. 58

REGISTER NO. 5377

5377

State South Carolina

General locality WINYAH BAY
~~South of Sampit River~~

Locality VICINITY OF SAMPIT RIVER.
~~West of Winyah Bay~~

Scale 1/10,000 - Photographs - August 4, 1934

Date of survey August 5, 1934, 19
Compilation - February 9, 1935

Vessel Air Photo Compilation Party No. 21

Chief of party E. H. Kirsch

Surveyed by See data in descriptive report.

Inked by W. W. King

Heights in feet above - - - - to ground to tops of trees

Contour, Approximate contour, Form line interval - - - feet

Instructions dated November 10, 1933, 19

Remarks: None.

GENERAL DESCRIPTION OF TOPOGRAPHY

This area south of the Sampit River and West of Winyah Bay is in general high ground having little relief; however, there are small portions of low marshy areas along the banks of the Sampit River and a small section of the west bank of Winyah Bay. These low marshy areas are abandoned rice fields. The high ground area is composed of forests of pine and oak and cleared portions which are used for farming and grazing. In general pine forests predominate in this area, except near the shore where oaks and cypress are prevalent. Long portions of these pine forests were cut for timber, thus accounting for the numerous sawdust piles that appear in these areas. An attempt was made to differentiate the wooded areas which have not been cut from the area that have been cut.

Statistics:

There are 26.8 square statute miles of land area covered by this compilation, 7.0 statute miles of shoreline on streams which are more than 200 meters wide, and .51 statute miles of streams less than 200 meters wide. There is no coastline on this sheet.

Report:

The general report of this area is covered under "General Description of Topography".

Photographs:

This sheet is compiled from photographs taken in two flights, made by the Aero Service Corp. of Philadelphia, all photos being of the five lens type. Photographs 125 through 145 were taken August 4, 1934 at 7:45 A.M.; photos 321 through 333 were taken August 5, 1934 at 8:05 A.M.

CONTROL

Sources:

Control station "COOPER" was established by C. D. Meaney 1932. The traverse control station along U. S. Highway 701 were established by P.W.A. and State Surveys in 1934. The remaining control stations were established by Lieut. K. G. Crosby in 1934. All control was adjusted on N. A. 1927 datum except the traverse control by P.W.A. and State Surveys which is unadjusted on N. A. 1927 datum.

Errors:

No errors were found in control by the radial plot.

Discrepancies:

No control stations established by other organizations

The U.S. Engineers give the same value for ^{vert.} clearance at H.W. or 3.04 ft. This will be accepted as correct. Since the value of 8.5 ft. as given on the opposite page is not complete, since no datum plane is given.

Lam
5/4/35

were used in the compilation of this sheet except the state traverse.

COMPILATION:

Method:

The usual radial line method was used in making the plot.

Adjustment of Plot:

No difficulty was encountered in the making of the smooth radial plot.

Interpretation:

Little difficulty was encountered in transferring detail to the sheet. All the photographs were clear as regards to detail and had little or no distortion due to tilt. In some few places in heavily wooded areas the roads could not be followed, but in no place where there were highways of importance was this condition found. Only the usual graphic symbols were used as approved by the Board of Surveys and Maps, 1932.

Information from other sources:

Field inspection by Lt. E. H. Rigg, 1934-5 and Lt. E. H. Kirsch, 1934-5. G.C. Sheets C, Reg. No. *T-6247b*, D, Reg. No. *T-6247a* and E, Reg. No. *T-6246* Lt. H. Odessey, 1935.

Conflicting Names:

No conflicting names were discovered.

REMARKS

Bridges: (see opposite page.)

The Sampit River Bridge over the Sampit River is a drawbridge of the swing type having a horizontal clearance of 50.0 ft. on each side of the central pier, and a vertical clearance when closed, 8.5 ft.

Marked Topo Stations have been shown on this compilation with a small black circle.

Comparison with other Surveys:

Comparison with U.S.C. & G.S. Chart 428. This chart shows several minor roads that could not be seen on the photographs, consequently they were not shown in the compilation.

A few names of roads were obtained from the Progressive Military Map, Corps of Engineers, U. S. Army Advance sheet 822-S-11-W/2, South Carolina, Georgetown Quadrangle.

Junctions:

Satisfactory junctions were made with the following sheets, 5255 on the North, 5380 on the South, and 5378 on the East.

Landmarks:

The list of important landmarks will be submitted by Lieutenant Herman Odessey along with G.C.S. C, Reg. No. 7-6247b D, Reg. No. 7-6247a, and E Reg. No. 7-6246, 1935.

RECOMMENDATION FOR FURTHER SURVEYS

This compilation is believed to have a probable error of not more than .3 mm in well defined detail of importance for charting and not more than .6 mm in other detail.

To the best of my knowledge this sheet is complete in all detail of importance for charting and no additional surveys are required.

Assisted by:

E. H. Kirsch
E. H. Kirsch,
Chief of Party.

Submitted by,

W. W. King
W. W. King.

GEOGRAPHIC NAMES

Survey No. 7-5377

Chart No. 428.

Diagram No. 1237 and 1238

Approved by the Division of Geographic Names, Department of Interior. *

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

[illegible]

REVIEW OF AIR PHOTO COMPILATION T-5377

Scale 1:10,000.

Comparison with Graphic Control Surveys.

- (a) T-6246 (1934) 1:10,000. All detail is in agreement.
- (b) T-6247a (1934) 1:10,000. All detail is in agreement.
- (c) All detail shown on T-6247a and T-6246 within the area of the compilation is shown on the compilation except for temporary plane table stations and the magnetic declinations.

Comparison with Previous Topographic Surveys.

- (a) T-1276 (1872) 1:20,000. Comparison shows numerous changes in shore line detail, particularly in the exposed marsh areas. There have also been numerous changes in the roads. The compilation is adequate to supersede T-1276 for the area it covers.

Comparison with Recent Hydrographic Surveys.

The new hydrographic surveys in this area are not yet in the office.

Remarks.

The projection has been checked roughly by checking the diagonals and is satisfactory.

Leonard A. Nickerson
July 10, 1935.
B. J. Jones

REVIEW OF AIR PHOTO COMPILATION NO. 5377

Chief of Party: E. H. Kirsch

Compiled by: W. W. King

Project: HT 162

Instructions dated: Nov. 10, 1933

- ✓ 1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b,c,d,e,g and i; 26; and 64)
- ✓ 2. Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 g,n)
- ✓ 3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d,e)
- ✓ 4. ~~Blue prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts.~~ (Par. 28) *None transmitted -*
- ✓ 5. Differences between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.
- ✓ 6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 44; and 66 c,h,i)
- ✓ 7. High water line on marshy ~~and mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."

- ✓8. The representation of low water lines, ~~reefs, coral reefs and rocks~~, and legends pertaining to ~~them~~ is satisfactory. (Par. 36, 37, 38, 39, 40, 41)
- ✓9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57)
*Descriptions filed under graphic control survey No. T-6246.
2 stations.*
- ✓10. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60)
Landmarks furnished with T-4246, T-4247(a) and (b) but none fall within the limits of this compilation.
- ✓11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c) ✓
- ✓12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k)
U.S.E. Military Quadrangle "Georgetown", available for geographic name comparison.
- ✓13. The geographic datum of the compilation is *N.A. 1927* and the reference station is correctly noted.
- ✓14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)
- ✓15. The drafting is satisfactory and particular attention has been given the following:
 - ✓1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report.
 - ✓2. The degrees and minutes of Latitude and Longitude are correctly marked.

- ✓ 3. All station points are exactly marked by fine black dots.
- ✓ 4. Closely spaced lines are drawn sharp and clear for printing.
- ✓ 5. Topographic symbols for similar features are of uniform weight.
- ✓ 6. All drawing has been retouched where partially rubbed off.
- ✓ 7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground.

(Par. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

✓ 16. No additional surveying is recommended at this time.

✓ 17. Remarks:

18. Examined and approved;

E. H. Kersch
Chief of Party

19. Remarks after review in office:

see following pages.

Reviewed in office by: Leonard A. Hulsman July 10, 1935.
V.B.G. Jones

Examined and approved:

C. F. Green
Chief, Section of Field Records
L. O. Polk
Chief, Division of Charts

J. S. Borden
Chief, Section of Field Work
G. H. Hilde
Chief, Division of Hydrography
and Topography.