

5247

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Form 504
Rev. Dec. 1933DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Air
Photo

Topographic

Field 47

~~Hydrographic~~

Sheet No. Reg. No. 5247

State South Carolina

LOCALITY

WACCAMAW RIVER

~~TOWN OF CONTACT~~

CONWAY AND VICINITY

1934-5

CHIEF OF PARTY

E. H. Kirsch

U. S. GOVERNMENT PRINTING OFFICE: 1934

5247

PHOTO NOS.
383 to 398

DATE
August 5, 1934

TIME
8:40 A.M.

PROJECTION BY

L. C. Ripley 11-9-34
L. C. Ripley

PROJECTION CHECKED BY

E. H. Kirsen 11-9-34
E. H. Kirsen

CONTROL PLOTTED BY

W. W. Johnson 11-10-34
W. W. Johnson

CONTROL CHECKED BY

F. H. McBeth 11-12-34
F. H. McBeth

CONTROL PLOTTED ON PHOTOS BY

Transferred Oct. & Nov. 1934
M. D. Crook

CONTROL CHECKED BY

E. J. Anderson Oct. & Nov. 1934
E. J. Anderson

SMOOTH RADIAL LINE PLOT BY

E. S. Ethridge 1-18-35
E. S. Ethridge

RADIAL PLOT CHECKED BY

H. W. Langley 1-22-35
H. W. Langley

SCALE PLOT BY

T. P. Mitchell
T. P. Mitchell

DETAIL INKED BY

H. W. Langley 2-11-35
H. W. Langley

AREA DETAIL INKED: 21.75 square statute miles.

LENGTH OF SHORELINE: None

LENGTH OF STREAMS: 14.4 statute miles (less than 200 meters wide)

LENGTH OF COASTLINE: None.

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. 47

REGISTER NO. 5247

State South Carolina

General locality Waccamaw River

Locality Conway and Vicinity
~~Town of Conway~~

Scale 10,000 Photographs - Aug. 5, 1934
1:950 Date of ~~survey~~ Compilation - Feb. 11, 1935, 19

Vessel Air Photo Compilation Party No. 21

Chief of party E. H. Kirsch

Surveyed by See data sheet in descriptive report.

Inked by H. W. Langley

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 INFORMATION

Almost the entire sheet is woods bordering the Waccamaw River and cultivated fields south of the town of Conway.

This sheet was compiled from photographs taken by a standard U. S. Army Air Corps 5-lens Camera operated by the Aero Service Corp. of Philadelphia, Pa.

Photos:

Photos No. 383 to 398 taken August 5, 1934 at 8:40 A.M. approximately 2 hours after low tide.

CONTROL

Sources:

The following ~~sources~~ sources of control were used in the compilation of this sheet: Triangulation by Lt. C. D. Meaney, 1932 and control stations established by the State of South Carolina in 1934. Control by Meaney has been office adjusted to N. A. 1927 datum. The control established by the State of S.C. is ~~unadjusted~~ *field adjusted* to N. A. 1927 datum.

Errors:

No errors were discovered in the control of this sheet.

Discrepancies:

No control stations established by other organizations were used in this compilation except that stated above.

COMPILATION

Method:

The usual radial line method of plotting as described in the U.S.C. & G.S. "Notes on the compilation of Planimetric Line Maps from 5-lens Aerial Photographs", 1933 edition.

Adjustment of Plot:

No unusual adjustment was required in the radial plot. The photos were free from excessive tilt and scale fluctuations.

Interpretation:

The graphic symbols as approved by the Board of Surveys and maps (1932) were the only symbols used. No difficulty was experienced in the interpretation of the photographic detail.

The street area of the town of Conway, the detail of which is not shown, consists of houses and numerous trees.

All roads and streets are shown as actual width.

The large mill south of the town is a lumber mill. The lumber yard as shown on the photographs is not shown on the compilation. The railroad running west from the mill is used for hauling logs to the mill. It is of a light type of rail but is not narrow gauge.

Kingston Lake extends on North through the woods. The trees overhang the stream so much that it was impossible to show it any farther than is shown on the compilation.

Potts Bluff and Savannah Bluff are places where the bank of the river has been sloped down to the water level to aid in rafting logs.

The ^{swamp}marshed area bordering the Waccamaw River represents a very low swampy section of land, entirely covered with water during a rainy period. It consists mostly of cypress, black gum, and thick undergrowth. The compiler is very familiar with this area, hence, it is felt that the limits of of the cypress swamps are accurate within 20 meters.

Bear Swamp, shown as a cypress swamp, has a small stream in it which is not discernible on the photographs.

Information from other Sources:

No information other than that furnished by the field inspection party was used in the compilation of this sheet, with the exception of the fact that the compiler is a native of this town and is very familiar with the area covered by this sheet.

Conflicting Names:

There is no U. S. Coast and Geodetic Survey Chart covering this area. All names on this sheet are furnished by the compiler who is familiar with this area as mentioned above.

COMPARISON WITH OTHER SURVEYS

Junctions:

A satisfactory junction has been made with sheet 5248 on the south. There are no sheets joining this sheet on the North, East, and West.

No planetable survey has been run in this area.

Landmarks:

The landmarks for charts and marked topographic stations included in this area is enclosed with this report.

Remarks:Bridges:

Highway Bridge across Waccamaw River, Steel Truss Type Swing Span, Vertical Clearance 11.2 feet, Horizontal Clearance 19.7 meters, width 10.8 feet, Length of swing 45.9 meters.

Highway Bridge across Kingston Lake, Steel Truss Type Swing Span, Vertical Clearance 9.2 feet, Horizontal Clearance 17.6 meters, width 18.0 feet, Length of Swing 44.8 meters.

Docks:

See review at back under paragraph 11 concerning bridges. Rane Oct 19, 1945.

The shed on the Waccamaw River East of the lumber mill covers a dock for loading lumber on boats.

The dock south of the R. R. Bridge at latitude 33° 50' is used by the Intracoastal Waterway Transportation Company.

The dock at the end of 4th. Avenue is in bad condition and is used only by pleasure craft.

The dock on Kingston Lake by Lakeside Drive is in good condition and is used only by pleasure craft.

The dock at the Veneer Mfg. Co., is in good condition.

The stream line by the Stilley Plywood Mfg. Co., is built up bulkheads.

The west side of the stream north of the highway bridge across Kingston Lake for 50 meters is bulkheads.

RECOMMENDATIONS FOR FURTHER SURVEYS

The compilation of this sheet is believed to have a probable error of not more than 0.3 millimeters in well defined detail of importance for charting and of not more than 0.6 millimeters for other data.

Assisted by:

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

Submitted by:

H. W. Langley
H. W. Langley.

GEOGRAPHIC NAMES

Survey No. T-5247

Chart No. _____

Diagram No. _____

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 NO. *T-5247*Chief of Party: **E. H. Kirsch**Compiled by: **H. W. Langley**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*
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."

No data was furnished by field inspection
~~and~~ ~~was~~ as to whether the cable
at the Highway Bridge at Conway
crosses overhead or underwater.
This cannot be determined from the
photographs.

Bggf. note entered 5/14/37

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 5, 1933, and circular 31, 1934.~~ (Par. 29, 30, and 57)
none
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)
List furnished in back of this report.
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)
The clearances given on page 3 of this report for the bridges over Kingston Lake and the Waccamaw River give no plane of reference. Consequently they cannot be used. The clearances shown on the compilation for these bridges were taken from the U.S. Engineers' List of Bridges.
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)
None available.
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.

*L.A.M.
10/19/35*

- ✓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.

Scale of this compilation 1/10,000.

- ✓17. Remarks: *There are no previous topographic or graphic control surveys by this bureau in this area. No chart has been published covering this area.*
The diagonals and the spacing of the parallels and meridians were tested and are accepted as correct.
Comparison with New Hydrographic Surveys H. 5843 (1935) 1/10,000 scale. There are no conflicts between the hydrography of H. 5843 and the shoreline of this compilation.

- ✓18. Examined and approved;

E. H. Kusch
Chief of Party

- 19. Remarks after review in office:

Reviewed in office by: *Lemuel A. McNamee* *Oct 22, 1935.*
B. G. Jones

Examined and approved:

E. K. Green
Chief, Section of Field Records
L. O. Colburn
Chief, Division of Charts

F. S. Borden
Chief, Section of Field Work
G. W. Wade
Chief, Division of Hydrography and Topography.

