

# 5253

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

JUN 26 1935

Acc. No.

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

OCT 14 1935

Acc. No.

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

## DESCRIPTIVE REPORT

Air  
Photo

Topographic  
~~Hydrographic~~

Field 53

Sheet No. Reg. 5253

State South Carolina

### LOCALITY

? North of Georgetown, S. C. ?

Waccamaw River

Waccamaw and Pee Dee Rivers

Schooner Creek and Vicinity

1934-5

CHIEF OF PARTY

E. H. Kirsch

U. S. GOVERNMENT PRINTING OFFICE: 1934

# 5253

Applied to chart 836 Jan 29, 1936 H.E.

Photo No.	Date	Time
168 to 185	Aug. 4, 1934	8:00 A.M.
239 to 251	Aug. 4, 1934	8:45 A.M.
PROJECTION BY <i>Scale F. 0.950</i>	<u><i>L. C. Ripley</i></u>	11-1-34
PROJECTION CHECKED BY	<u><i>E. H. Kirsch</i></u> E. H. Kirsch	11-1-34
CONTROL PLOTTED BY	<u><i>M. L. Smith</i></u> M. L. Smith	11-2-34
CONTROL CHECKED BY	<u><i>E. S. Ethridge</i></u> E. S. Ethridge	11-3-34
CONTROL PLOTTED ON PHOTOS BY	<u><i>Transferred</i></u> J. F. Richardson	9-27-34
CONTROL CHECKED ON PHOTOS BY	<u><i>Transferred</i></u> W. W. King	9-27-34
SMOOTH RADIAL PLOT BY	<u><i>E. S. Ethridge</i></u> E. S. Ethridge	1-10-35
SMOOTH RADIAL PLOT CHECKED BY	<u><i>L. C. Ripley</i></u> L. C. Ripley	
SCALE PLOT BY	<u><i>T. P. Mitchell</i></u> T. P. Mitchell	
TOPOGRAPHY TRANSFERRED BY	<u><i>P. W. Hurd</i></u> P. W. Hurd	3-18-35
TOPOGRAPHY CHECKED BY	<u><i>R. G. Hickson</i></u> R. G. Hickson	3-18-35
DETAIL INKED BY	<u><i>L. C. Ripley</i></u> L. C. Ripley	2-12-35

AREA DETAIL INKED: 28.0 square statute miles

LENGTH OF COASTLINE: None

LENGTH OF SHORELINE: 3.5 statute miles (more than 200 meters wide)

LENGTH OF STREAMS: 39.0 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. 53

REGISTER NO. 5253

State South Carolina

General locality North of Georgetown, S. C. Waccamaw and Pee Dee Rivers

Locality Waccamaw River Schooner Creek and Vicinity

Scale 1:10,000 Photographs - August 4, 1934.  
Date of ~~survey~~ Compilation - Feb. 2, 1935

Vessel Air Photo Compilation Party No. 21.

Chief of party E. H. Kirsch

Surveyed by See data sheet in descriptive report.

Inked by L. C. Ripley

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

### Statistics:

There are 28 square statute miles of land area, 3.5 statute miles of shore line over 200 meters from opposite shore and 39 statute miles of streams less than 200 meters wide.

### General Report:

The area covered by the eastern end of this sheet is principally abandoned rice fields along the Waccamaw River, generally speaking the dikes have washed and the ditches partly filled. The vegetation on the dikes is cypress and myrtle.

The area at the extreme western end is also abandoned rice fields in the same condition as the above. These are on the Black River.

Between these is cut-over timber land with a few scattered fields of cultivated land.

### Photographs:

There are portions of two flights over this area photos 168 to 185 taken on north bound flight at 8 AM August 4, 1934, 3 hours and 22 minutes after high tide.

Photos 239 to 251 taken on south bound flight at 8:45 AM Aug. 4, 1934, 4 hours 07 minutes after high tide, using Georgetown, Winyah Bay gauge as base.

## CONTROL

### Sources:

Triangulation stations established by C. D. Meaney 1932, K. G. Crosby 1934, J. C. Sammons 1934 and 35, and State of South Carolina traverse 1934, (P.W.A.). Meaney and Crosby have been adjusted to N. A. 1927 datum. Sammons and State traverse are on N. A. 1927 datum, but not office adjusted.

### Errors:

No errors in control were noted.

### Discrepancies:

No control established by other organizations was used, except the one listed under source of control.

### Compilation:

The usual radial line method as described in "Notes on the

compilation of planimetric Line maps from 5-lens aerial photos. 1933" was used.

Adjustment of Plot:

No unusual adjustments were necessary.

Interpretation:

As the photos were clear and generally with little tilt no difficulty was experienced in interpretation.

Information from other sources:

Graphic Control sheet "H" Reg. No. T-63286, J. C. Sammons 1935.

Conflicting Names:

No conflicting names were found.

Comparison with other surveys :

Satisfactory junctions have been made with sheets 5251 on the north, 5254 on the east, 5255, 5256, 5376 on the south. There is no joining sheet on the West.

There is at present no chart covering this area.

Landmarks:

A list of landmarks and marked topographic stations will be submitted with Graphic Control sheet "H" Reg. No. T-63286, by J. C. Sammons 1935. Also Sheet "F" Reg. No. T-63275, and "G" Reg. No. T-63289. *There are no prominent landmarks in this area. mm.*

RECOMMENDATIONS FOR FURTHER SURVEYS

This compilation is believed to have a probable error not exceeding .3 mm in positions of welldefined detail of importance for charting and not exceeding .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 necessary.

Assisted by:

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

Submitted by:

*On leave*  
L. C. Ripley.

REVIEW OF AIR PHOTO COMPILATION NO. T-5253.

1:10,000 scale.

Comparison with the Graphic Control Surveys.

T-6327b (1935) 1:10,000 scale. There are no discrepancies between T-6327b and this compilation over the common area.

T-6328a (1935) 1:10,000 scale. There are no discrepancies between T-6328a and this compilation over the common area.

~~T-6328b (1935) 1:10,000 scale. There are no discrepancies between T-6328b and this compilation over the common area.~~

*except for temporary signals*  
All detail on T-6327b, T-6328a, T-6328b is shown on this compilation over the respective common areas. One recoverable station Bath (S. Gable Small Boathouse), was transferred from T-6328a to this compilation.

Comparison with New Hydrographic Surveys.

H-5840 (1935) 1:10,000 scale. The logs and stumps shown on H-5840 in the Pee Dee and Waccamaw Rivers or tributaries cannot be identified on the photographs. This detail has not been transferred to the compilation. There are no conflicts of soundings on H-5840 with the shorelines of this compilation.

There are no previous topographic surveys or charts which cover all or a portion of this compilation.

Errors.

The projection of this compilation was tested and is in error. The 33° 28' parallel is north of its correct position by about 3 meters. This parallel could not be moved without introducing an error in the plotting of two triangulation stations and has not been changed.

*Leonard A. McLean*  
*August 29, 1935*

*Frank G. Eshine*





## REVIEW OF AIR PHOTO COMPILATION NO. 5253

Chief of Party: E. H. Kirsch

Compiled by: L. C. Ripley

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 applica-  
tion 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 ade-  
✓ quate 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) *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) *There are no landmarks in this area.*
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)~~ *no bridges on this compilation*
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) *no U.S.G.S. quadrangles are available for this area.*
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. Kusch  
Chief of Party

19. Remarks after review in office:

Reviewed in office by: Leonard A. Wilson August 29, 1935.  
Frank G. Eiskine

Examined and approved:

E. Z. Green  
Chief, Section of Field Records  
L. O. Pollock  
Chief, Division of Charts

J. B. Borden  
Chief, Section of Field Work  
Glenn  
Chief, Division of Hydrography  
and Topography.