

5256

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

DESCRIPTIVE REPORT

Field 56

Air
Photo

Topographic

~~Hydrographic~~

Sheet No. Reg. 5256

State South Carolina

LOCALITY
WINYAH BAY
WACCAMAW RIVER

~~Waccamaw River Entrance to Winyah~~

~~Bay~~

1934-5

CHIEF OF PARTY

E. H. Kirsch

U. S. GOVERNMENT PRINTING OFFICE: 1934

5256

Applied to chart 836 February 5, 1936 Wallace Bunker
applied to new chart 787 May 6, 1937 J. J. S. S.

Photos No.	Date	Time
161 to 171	Aug. 4, 1934	8:00 A.M.
248 to 270	Aug. 4, 1934	8:45 A.M.
558 to 570	Aug. 17, 1934	9:15 A.M.
748 to 755	Aug. 26, 1934	2:35 P.M.
PROJECTION BY	<u>On Leave</u> L.C. Ripley	11-2-34
PROJECTION CHECKED BY	<u>E. H. Kirsch</u> E. H. Kirsch	11-2-34
CONTROL PLOTTED BY	<u>M. L. Smith</u> M. L. Smith	11-3-34
CONTROL CHECKED BY	<u>E. S. Ethridge</u> E. S. Ethridge	11-3-34
CONTROL PLOTTED ON PHOTOS BY	<u>Transferred</u> J.F. Richardson	Oct. & Nov. 1934
CONTROL CHECKED ON PHOTOS BY	<u>Transferred</u> M. D. Crook	Oct. & Nov. 1934
TOPOGRAPHY TRANSFERRED BY	<u>H. W. Langley</u> H. W. Langley	3-9-34 5
TOPOGRAPHY CHECKED BY	<u>T. P. Mitchell</u> T. P. Mitchell	3-11-35
SMOOTH RADIAL LINE PLOT BY	<u>E. S. Ethridge</u> E. S. Ethridge	12-17-34
RADIAL PLOT CHECKED BY	<u>H. W. Langley</u> H. W. Langley	12-18-34
SCALE PLOT BY	<u>T. P. Mitchell</u> T. P. Mitchell	
DETAIL INKED BY	<u>H. W. Langley</u> H. W. Langley	3-1-35

AREA DETAIL INKED: 30.1 Square St. Miles.

LENGTH OF SHORELINE: 31.0 St. Miles (more than 200 meters wide).

LENGTH OF STREAMS: 16.1 St. 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. 56

REGISTER NO. 5256

State South Carolina

General locality WACCAMAW RIVER WINYAH BAY

Locality WACCAMAW RIVER ENTRANCE TO WINYAH BAY

Scale 1:10,000 Photographs - August 4, 1934
August 17, 1934
Date of survey - August 26, 1934, 19

Vessel 950 Compilation - March 1, 1935
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

This sheet consists of abandoned rice fields bordering the Waccamaw and Pee Dee Rivers between the town of Georgetown and the wooded area known as Waccamaw Neck.

This sheet was compiled from photographs taken by a standard U. S. Army Air Corps 5-lens Camera No. HUI 33 operated by the Aero Service Corp. of Philadelphia, Pa.

Photos:

Photos No. 161 to 171 taken August 4, 1934 at 8:00 A.M. 2 hours 45 minutes before a low tide. Photos No. 248 to 269 taken August 4, 1934 at 8:45 A.M. 2 hours before a low tide. Photos No. 748 to 755 taken August 26, 1934 at 2:35 P.M. 2 hours 4 minutes before a low tide. Photos 558 to 565 were taken August 17, 1934 at 9:15 A.M. As no streams of importance appear on this sheet from this flight No tide time was designated.

CONTROL

Sources:

The following sources of control were used in the compilation of this sheet:

Triangulation by K. G. Crosby, 1934 and J. C. Sammons, 1934.

Traverse stations located by the State of South Carolina 1934.

Graphic Control Sheets "D" Reg. No. T-6247a, "E" Reg. No. T-6327a and "F" Reg. No. T-6327b, J. C. Sammons and Lt. Herman Odessey, 1934-5

Control established by Crosby has been adjusted to N. A. 1927 datum. Control established by Sammons, Odessey, and the State of S.C. Traverse is unadjusted to N. A. 1927 datum.

Errors:

No errors were discovered in the control of this sheet, with the exception of triangulation station "Waccamaw Ferry Landing S.W. Corner on S.Waiting Room." This error is due to the fact that the station could not be accurately spotted on the photographs.

Discrepancies:

No discrepancy was discovered in the control established by the state of South Carolina, with the exception of the above, no control stations established by other organizations were used in the control of this sheet.

A list of landmarks on form 567 has been submitted with the Desc. Report H-5839. No landmarks have been listed on form 567 with the Desc. Reports ~~7-63270 & 6~~ 7-63270 & 6, but a number of landmarks have been mentioned in these reports. ~~The only~~
~~list~~ A

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 was followed.

Adjustment of Plot:

No unusual adjustment was required in the radial plot. The control was sufficient to make the smooth radial plot without difficulty.

Interpretation:

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

The fields in the marsh just west of station ARCADIA are rice fields in cultivation. The remainder of the rice fields on this sheet are abandoned and are grown up with brush and marsh.

Information from other Sources:

That part of the bridge being built across the Waccamaw River which appears on this sheet was taken from Graphic Control sheet "D" Reg. No. T-6247a, Herman Odessey, 1934-5.

Conflicting Names:

There are no names on this sheet conflicting with names shown on the U.S.C. & G.S. Charts of this area.

Comparison with other Surveys:

Satisfactory junctions were made with sheet 5253 on the north, sheet 5376 on the East, sheet 5255 on the west, and with sheets 5378 and 5379 on the south.

The highwater line on the G.C.S. agrees with the Celluloid topographic sheet. The distances of the stations G-105, G-106, G-107 and G-108 from the centerline of the highway as described in field inspection notes agree with the compiled road. These distances as furnished by the state of South Carolina P.W.A. are in error from 2 to 6 meters.

Landmarks:

The landmarks for charts and marked topographic stations included in this area have been submitted with graphic control sheets "D" Reg. No. T-6247a, "E" Reg. No. T-6327a, "F" Reg. No. T-6327b J. C. Sammons and Herman Odessey 1934-35.

RECOMMENDATIONS FOR FURTHER SURVEYS

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

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

Assisted by:

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

Submitted by:

H. W. Langley
H. W. Langley.

Date. Aug 13, 1935 GEOGRAPHIC NAMES

Survey No. T-5256

Chart No. 428

Diagram No. 1237

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

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

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Waccamaw River</u>	<u>same</u>			✓
	<u>Pee Dee River</u>	<u>same</u>			✓
	<u>Black River</u>	<u>none</u>		<u>USE quadrangle!</u>	
	<u>Butler Island</u>	<u>"</u>	<u>Qu H-5839</u>	✓	✓
	<u>Jericho Creek</u>	<u>"</u>	<u>"</u>	✓	✓
	<u>Hagley</u>	<u>"</u>	<u>"</u>	✓	✓
	<u>Middleton Cut</u>	<u>"</u>	<u>"</u>	✓	✓
Names approved Jan. 30 1936					
C. H. G. G. G.					
See NEW T5256 (Waverly Mills, No. 1) 1942 for complete name list.					
C. H. G.					

REVIEW OF AIR PHOTO COMPILATION NO. T-5256

Scale 1:10,000

Comparison with the Graphic Control Surveys.

T-6247a (1935) 1:10,000 scale. There are no discrepancies between T-6247a and this compilation over the common area.

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

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

All detail on T-6247a, T-6327a, and T-6327b is shown on this compilation over the respective common areas with the exception of non-recoverable plane table positions and the magnetic declinations.

Stations Four(d) and Cam(d) were transferred to the compilation from T-6327b.

Comparison with Previous Topographic Surveys.

*Positions transferred by LAM. 8/15/35.
Checked by J.O. Sept. 6, 1935.*

T-1276 (1872) 1:20,000 scale. A small area of this compilation in the southwest corner is covered by T-1276. The rice fields, the limits of which are represented on T-1276 by dikes, are now partially flooded and are shown on the compilation by the marsh symbol. The Waccamaw River bridge is new detail on this compilation. Changes of position in H. W. L. have been comparatively small since the time T-1276 was made. T-1276 is superseded by the compilation over the common area.

Comparison with New Hydrographic Surveys.

H-5839 (1935) 1:10,000 scale. There is no conflict between the hydrography and topography on H-5839 and this compilation. No lowwater lines are shown on T-5256.

Comparison with the Chart.

Chart No. 428. The greater portion of this compilation falls outside the limits of this chart. The lights and beacons shown on this compilation are outside the limits of this chart.

Changes to be made to this chart as a result of this survey are discussed under the Comparison with T-1276.

Leonard A. McKinnon
August 15, 1935.
B. J. Jones

REVIEW OF AIR PHOTO COMPILATION NO. 5256

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)
T-6247a, T-6327a, T-6327b.
- ✓ 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)
No sand coast.

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)
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)
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 ^{complete} bridges - a portion of the Waccamow River bridge is shown on this compilation. This bridge was under construction at the time of 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 in this area. U.S. Engineers' Georgetown Quad. covers a portion of this area. Desc. Report H 5839 covers some new names 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. McKean Aug. 15, 1935.
B. G. Jones

Examined and approved:

C. K. Green
Chief, Section of Field Records

L. O. Solbert
Chief, Division of Charts

F. B. Borden
Chief, Section of Field Work

G. H. de
Chief, Division of Hydrography
and Topography.