

# 5250

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

Air  
Photo

Topographic  
~~Hydrographic~~

Field 50  
Sheet No. Reg. 5250

State South Carolina

LOCALITY

*of*  
N. W. Murrell Inlet

Waccamaw River

Waccamaw And Pee Dee Rivers

Bull Creek

193 4-5

CHIEF OF PARTY

E. H. Kirsch

U. S. GOVERNMENT PRINTING OFFICE: 1934

# 5250

Applied to chart 836 Jan. 28, 1936

SHEET NO. 50  
REG. NO. 5250

PHOTOS NO.  
194 through 209  
349 through 360

DATE  
August 4, 1934  
August 5, 1934

TIME  
8:00 to 8:20 A.M.  
8:40 A.M.

PROJECTION BY  
*Scale Fact 0.950*

*On leave*  
L. C. Ripley 11-7-34

PROJECTION CHECKED BY

*E. H. Kirsch*  
E. H. Kirsch 11-7-34

CONTROL PLOTTED BY

*W. W. Johnson*  
W. W. Johnson 11-12-34

CONTROL CHECKED BY

*F. H. McBeth*  
F. H. McBeth 11-13-34

CONTROL PLOTTED ON PHOTOS BY

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

CONTROL CHECKED ON PHOTOS BY

*L. C. Lande*  
L. C. Lande Oct. & Nov. 1934

SMOOTH RADIAL PLOT BY

*L. C. Lande*  
L. C. Lande 1-15-35

SMOOTH RADIAL PLOT CHECKED BY

*E. S. Ethridge*  
E. S. Ethridge 1-26-35

SCALE PLOT BY

*T. P. Mitchell*  
T. P. Mitchell 11-6-34

TOPOGRAPHY TRANSFERRED BY

*E. S. Ethridge*  
E. S. Ethridge

TOPOGRAPHY CHECKED BY

*P. W. Hund*  
P. W. Hund

DETAIL INKED BY

*E. S. Ethridge*  
E. S. Ethridge 3-8-35

AREA OF DETAIL INKED: 29.8 Statute (square) miles.

LENGTH OF COASTLINE: None.

LENGTH OF SHORELINE: None. (more than 200 meters wide).

LENGTH OF STREAMS: 25.1 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. 50

REGISTER NO. 5250

State South Carolina

General locality N. W. Murrell Inlet Waccamaw and Pee Dee Rivers

Locality Waccamaw River Bull Creek

Scale ~~10,000~~ 1/10,000 Photographs - Aug. 4 and 5, 1934.

Date of summary Compilation - Mar. 8, 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 E. S. Ethridge

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 REPORT

The area covered by this sheet is very heavily wooded with an exception of a few cultivated fields and cut over woods, and is sparsely populated except along the Eastern portion. The wooded area is covered by a mixture of deciduous and coniferous trees on the high ground and cypress swamp along the streams. As there is no definite line between the cypress and the pine and oak, the marsh symbol was shown for only a short distance away from the high waterline.

### Statistics:

This compilation has an area of 29.8 square statute miles. There is no coast line or shore line more than 200 meters from the opposite shore; there are 25.1 statute miles of streams less than 200 meters in width.

### Photographs:

This compilation was made from a part of three flights of photos: 194 to 198 were made August 4, 1934 at 8:00 A.M., approximately 1 hour before low tide. 199 to 207 made August 4, 1934 at 8:10 A.M. approximately 1 hour before low tide. 349 to 360, made August 5, 1934 at 8:40 A.M., approximately forty minutes before low tide.

## CONTROL

### Sources:

The control used in this compilation was established by Lt. Crosby, 1934; Lt. Sammons 1935, and Traverse by the State of South Carolina in 1934. Control established by Crosby has been office adjusted to N. A. 1927 datum. Other control is unadjusted to N. A. 1927 datum.

### Errors:

No errors were found in the control.

### Discrepancies:

There were no discrepancies discovered in the control used in this compilation.

## COMPILATION

### Method:

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

### Adjustment of Plot:

No unusual adjustments were made in the plot.

### Interpretation:

Only approved symbols of the Board of Surveys and Maps were used.

Due to the presence of overhanging trees, it was difficult to find the exact location of the high water line, especially where the stream fell some distance out on the wing of the photos.

Due to the overhanging trees, it was necessary to estimate the shoreline on the Pee Dee River in the following minutes of Latitude and Longitude:  $33^{\circ} 35' - 79^{\circ} 07'$ ;  $33^{\circ} 37' - 79^{\circ} 08'$ ;  $33^{\circ} 36' - 79^{\circ} 06'$ ;  $33^{\circ} 37' - 79^{\circ} 07'$ . However it is felt that the above mentioned shoreline is in error of not more than 1.0 mm.

The small streams where high water lines were obscured by overhanging trees were shown by rows of bushes.

No attempt was made to show the stacks of lumber at Bucksport just south of  $33^{\circ} 39'$  and slightly East of  $79^{\circ} 06'$  since they are constantly changing.

### Information from other sources:

Additional information was obtained from the field inspection party and from Graphic Control sheets "H" Reg. No. and T-6328b, and "J" Reg. No. T-6329, J. C. Sammons, 1935.

### Conflicting Names:

No conflicting names were found.

The names BULL CREEK, BULL ISLAND, and SANDY ISLAND were taken from a map compiled by Mr. T. M. Jordan, Civil Engineer, Myrtle Beach, S. C., in April 1930.

### COMPARISON WITH OTHER SURVEYS:

There are no U.S.C. & G.S. Charts covering this area.

### Junctions:

Satisfactory junctions were made with the following sheets: North - sheet No. 5249; East - 5246 (1:20,000); South - 5252 and 5251. There is no adjoining sheet on the west.

A list of landmarks has not been furnished with these  
graphic control surveys, but a list has been submitted  
covering a larger area.

Very truly yours,  
D.M.

Landmarks: (See opp. page.)

The list of landmarks for charts and marked topographic stations will be submitted by Lt. J. C. Sammons along with G.C. Sheets "H" Reg. No. 7-63286, "J" Reg. No. 7-6329, J. C. Sammons, 1935.

RECOMMENDATION FOR FURTHER SURVEYS

This compilation is believed to have a probable error of not more than 0.3 mm in positions of 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 purposes within the accuracy stated above and no further surveys are required.

Assisted by:

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

Submitted by:

*E. S. Ethridge*  
E. S. Ethridge.

Date. Aug 26, 1935 GEOGRAPHIC NAMES

Survey No. T-5250

Chart No. 1237

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 T 5250

*1/10,000 scale.*

Comparison with other surveys

T-6328 b. (1935), 1:10,000 scale

There are no discrepancies between T 6328 b and this compilation over the common area.

T-6329. (1935), 1:10,000 scale.

There are no discrepancies between T 6329 and this compilation over the common area.

All detail on T-6328 b and T-6329 is shown on this compilation in the respective common areas.

There are no previous topographic surveys, ~~no~~ charts which cover the area of this compilation.

Comparison with new hydrographic survey

H-5841. (1935), 1:10,000 scale.

The old piles shown on H 5841 in the Waccamaw River in lat.  $33^{\circ} 38.8'$ , long.  $79^{\circ} 05.6'$  cannot be seen on the photographs and have not been transferred from H-5841 to this compilation. There are no conflicts between the hydrography on H 5841 and the topography on T-5250.

*Leonard A. Nelson*  
*August 26, 1935.*  
*V B. J. Jones*

*Approved*  
*K. T. Adams*

## REVIEW OF AIR PHOTO COMPILATION NO. 550

Chief of Party: E. H. Kirsch

Compiled by: E.S. Ethridge

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) *now 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)  
*No recoverable objects located or described.*
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)  
*No landmarks fall within the area 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)  
*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 avail.*
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. Knech  
Chief of Party

19. Remarks after review in office:

Reviewed in office by: Lionel A. Melsum August 26, 1935.  
V B. G. Jones

Examined and approved:

K. T. Adams  
Asst Chief, Section of Field Records  
Division of Charts  
L. O. Volant  
Chief, Division of Charts

T. B. Jordan  
Chief, Section of Field Work  
G. Wade  
Chief, Division of Hydrography  
and Topography.