<table>
<thead>
<tr>
<th>State</th>
<th>South Carolina</th>
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</thead>
<tbody>
<tr>
<td>Locality</td>
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<tr>
<td>Magnolia Beach</td>
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<tr>
<td>Lorrall Inlet to Waccamaw Inlet</td>
<td></td>
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<tr>
<td>Waccamaw River</td>
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<td>Magnolia Beach</td>
<td></td>
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</tbody>
</table>

193 1-5

Chief of Party

E.H. Kirsch
Applid to chat 8-36 Jan 30, 1936 REC
v 12 27 27 Oct 1937 REC
Photo Nos. 235 through 241, 581 through 596

Date
August 4, 1934
August 17, 1934

Time
8:45 A.M.
9:15 A.M.

PROJECTION BY

L. C. Ripley
11-3-34

PROJECTION CHECKED BY

E. H. Kirchen
11-3-34

CONTROL PLOTTED BY

M. L. Smith
11-3-34

CONTROL CHECKED BY

E. S. Ethington
11-5-34

CONTROL PLOTTED ON PHOTOS BY

J. F. Richardson
9-27-34

CONTROL CHECKED ON PHOTOS BY

R. G. Hickson
October 1934

TOPOGRAPHY TRANSFERRED BY

A. E. Nowell

TOPOGRAPHY CHECKED BY

P. W. Hund

SMOOTH RADIAL PLOT BY

R. G. Hickson

RADIAL PLOT CHECKED BY

A. E. Nowell
1-2-35

SCALE PLOT BY

T. P. Mitchell
12-15-34

DETAIL INKED BY

A. E. Nowell
1-29-35

AREA DETAIL INKED: 19.28 Sq. St. Miles.

LENGTH OF SHORELINE: 7.5 St. Miles (over 200 meters wide)

LENGTH OF STREAMS: 13.25 St. Miles (less than 200 meters wide)

LENGTH OF COASTLINE: 5.75 St. Miles.
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

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. 54

REGISTER NO. 5254

State: South Carolina

General locality: Murrells Beach, Waccamaw River

Locality: Murrell Inlet to Waccamaw Inlet, Magnolia Beach

Photographs - Aug. 4, 16, 1954

Scale: 1:10,000

Date of survey: Jan. 29, 1935

Compilation: Jan. 29, 1935

Vessel: Air Photo Compilation Party No. 21

Chief of party: E. H. Kirsch

Surveyed by: See data sheet in descriptive report

Inked by: A. E. Nowell

Heights in feet above: ground to tops of trees

Contour, Approximate contour, Form line interval: feet

Instructions dated: November 10, 1933, 19

Remarks: None

...
GENERAL INFORMATION

Statistics:

The total area covered by this sheet is 19.28 St. miles. The Waccamaw River is the only stream more than 200 meters wide. 7.5 St. miles of this river appear on this sheet. There are 13.25 St. miles of streams less than 200 meters wide.

Report:

The greater portion of the area covered by this compilation is heavily wooded high ground. A small portion of the high ground is cleared and utilized for farming. The remainder of the compilation is made up of sandy beach and abandoned rice fields. These rice fields are grown up in fresh water marsh. In general this area is of the low coastal plain type with slight relief.

Photographs:

Photographs from two flights were used in the compilation of this sheet.

The photographs, in general, were good and of good scale.

The following photographs were used:

235 through 241, made August 4, 1934 at 8:45 A.M., 15 min. before low tide.
581 through 596, made August 17, 1934 at 9:15 A.M., 3 hours 13 minutes before low tide.

The photographs were made with a M-U-I- 33, U. S. Army Air Corps 5-lens Camera, operated by the Aero Service Corp., of Philadelphia, Pa.

CONTROL

Sources:

The control used in the compilation was established or recovered by K. G. Crosby, 1934; C. D. Meaney, 1932; E. B. Roberts, 1924, and traverse stations located by the State of South Carolina in 1934.

Control established by Crosby, Meaney, and Roberts has been office adjusted to N. A. 1927 datum. The state of South Carolina Traverse is unadjusted to N. A. 1927 datum.

Errors:

No errors were discovered in the control when making the smooth radial plot.
This portion of River Road between 33° 27' and 33° 29.5' has been traced in this office as well as possible from the photographs. The probable error of position of this section of this road may exceed the values as given on page 3 of this report under Recommendations for Further Surveys.

L.W.M.
June 29, 1925.
Discrepancies:

State traverse was used in addition to stations established by parties of this organization.

COMPILATION

Method:

The standard radial line method was used as described in the U. S. Coast and Geodetic Survey notes on the Compilation of Planimetric Line Maps from 5-lens Aerial Photographs.

Adjustment of Plot:

No unusual adjustments were necessary in making the plot.

Interpretation:

All topographic symbols were taken from the topographic manual.

The pictures were not as clear as they might have been for the marsh and sandy areas shown in the extreme northeastern section of the sheet in other words east of Long 79° 04'. We feel that our interpretation is such that there is little departure, if any, from the actual conditions.

The road known locally as River Road runs in a north easterly direction across the sheet, but a portion of same, between Lat. 33° 30' and 33° 27' has not been shown since it could not be traced from the pictures, due to overhanging trees and shadows. (See opposite page).

Chart No. 1237 shows a creek (no name) back of the beach running the full length of the area covered of this sheet. This creek does not exist today.

There are two dashed parallel lines across this sheet (east and West), this is a fire lane, all brush is kept out of the area between the lines so as to protect the forest from fires.

Conflicting Names:

There are no conflicting names.

COMPARISON WITH OTHER SURVEYS

Junctions:

Satisfactory junctions were made with the following:

Sheet No. 51, Reg. No. 5251 on the North.
Sheet No. 52, Reg. No. 5252 on the North
Sheet No. 53, Reg. No. 5253 on the West.
Sheet No. 57, Reg. No. 5257 on the South

The Atlantic Ocean on the East.

Landmarks:

J. C. Sammons, Chief of Party, 1935 over the Waccamaw River as shown
on this compilation. These sheets should be consulted for landmarks
and marked topographic stations. There are no A. C. Sheets along the
outside coast. Triangulation Station PENTHOUSE, Crosby 1934, might
be considered as a landmark. It has not been submitted on the regular
form as such. It is a water tank on top of the home of A. M. Huntington,
and is about 35 feet above the ground.

RECOMMENDATION FOR FURTHER SURVEYS

The compilation of this sheet is believed to be accurate
and complete for charting purposes and no additional surveys are
necessary. A probable error of not more than 0.3 mm may be found in
detail of importance for charting and not over 0.6 mm in detail of
lesser importance.

Assisted by:

E. H. Kirsch
Chief of Party.

Submitted by:

A. E. Nowell.
<table>
<thead>
<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
<th>Location</th>
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<td>Magnolia Beach</td>
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<tr>
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<td>Waccamaw River</td>
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<td>Brookgreen Creek</td>
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<td>Thoroughfare Creek</td>
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<td>Oatland Creek</td>
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</tbody>
</table>

Names have been approved on 11-5840

Waverly Mills

Waverly Mills

[Names underlined in red, approved by W. C. H. on 1-30-36]
REVIEW OF AIR PHOTO COMPILATION T-5254
SCALE 1:10 000

Comparison with Graphic Control Surveys:
T-6238(a) and T-6238b (1934) (1:10 000). No discrepancies.
All detail on T-6238(a) and T-6238b within the area of this compilation is shown on the compilation except for the magnetic declinations and temporary planstable stations.

Comparison with previous topographic surveys:
T-1280b, (1872) 1:20 000. There have been many changes in roads and considerable change in the coast line particularly at Murrell Inlet.
This compilation is complete and adequate to supersede the section of T-1280(b) which it covers.

T-4198, (1926) 1:20 000. T-4198 covers the coastal area from Floral Beach to North Inlet. Large changes have occurred in the outer coast line particularly at Lat. 33° 31'. The compilation is complete and adequate to supersede the section of T-4198 which it covers.

Comparison with new Hydrographic Surveys:
H-584(1935). The trees, stumps, and piling shown on H-584(1935) cannot be seen on the photos and are not shown on this compilation.
No conflicts between shoreline and soundings.

Comparison with Chart 1237: No landmarks are shown on the present chart and none have been submitted with the graphic control surveys or this compilation in this area.

Leonard A. McLean
Aug 31, 1935
REVIEW OF AIR PHOTO COMPILATION NO. 5254

Chief of Party: E. H. Kirsch

Compiled by: A. E. Nowell

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, f, 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. Blueprints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28)

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)

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 naviga-
tion 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)

13. The geographic datum of the compilation is NA 1 4 2 7 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 Longi-
      tude 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.

(Far. 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;

[Signature]
Chief of Party

19. Remarks after review in office:

Reviewed in office by: Leonard A. Hubbard August 31, 1935

Examined and approved:

[Signature]
Chief, Section of Field Records

[Signature]
Chief, Division of Charts

[Signature]
Chief, Division of Hydrography and Topography.