

5156

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 } Field No. 4,  
Hydrographic } Sheet No. Reg. No. 5156

State South Carolina

### LOCALITY

SOUTH EDISTO RIVER  
BIG BAY CREEK  
ASHEPOO RIVER - PIERRE CREEK

*1934  
photos taken June and Oct. 1933.*

CHIEF OF PARTY

E. H. KIRSCH

U. S. GOVERNMENT PRINTING OFFICE: 1934

5156

Applied to chart 838, - January 21, 1936 W.A. Bruden.

Applied to chart 793 - January 27, 1936 H.E. MacEwen

" " " 1239 April, 1937 J.M.A.

SHEET NO. 4  
REG. NO. 5156

PHOTOS NO.

541 - 553  
1209 - 1225

DATE

June 22, 1933

October 12, 1933

TIME

2:33 P.M.

11:10 A.M.

STAGE OF TIDE

1 h 5 m after L. Tide

2 h 54 m before H. Tide.

PROJECTION BY

L. C. Ripley  
L. C. Ripley

2-3-34

PROJECTION CHECKED BY

J. H. Wulbern  
J. H. Wulbern

2-5-34

CONTROL PLOTTED BY

L. C. Lande  
~~P. F. Hochman~~

2-6-34

CONTROL CHECKED BY

R. G. Hickson  
R. G. Hickson

CONTROL PLOTTED ON PHOTOS BY

F. H. MoBeth  
F. H. MoBeth

12-28-33

CONTROL CHECKED ON PHOTOS BY

J. F. Richardson  
J. F. Richardson

12-28-33

SMOOTH RADIAL PLOT BY

L. C. Lande  
L. C. Lande

3-9-34

RADIAL PLOT CHECKED BY

R. G. Hickson  
R. G. Hickson

SCALE PLOT BY

J. H. Wulbern  
J. H. Wulbern

DETAIL INKED BY

R. G. Hickson  
R. G. Hickson

M. L. Smith  
M. L. Smith

AREA OF DETAIL INKED: 46.8 Square statute miles (land area)

LENGTH OF COASTLINE: 4.4 statute miles.

LENGTH OF SHORELINE: 23.0 statute miles (streams over 200 m in width)

LENGTH OF SHORELINE: 59.8 (streams less than 200m in width)

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.  
5156

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. 4

REGISTER NO. 5156 5156

State South Carolina

General locality South Edisto River

Locality Ashpoco River - <sup>Big Bay Creek</sup> ~~St. Pierre Creek~~

Photos - June 22, 1933

Scale 1:20,000 <sup>21,390</sup> ~~735~~ Date of ~~survey~~ October 12, 1933, 19

Compilation - July 11, 1934

Vessel Air Photo Compilation Party No. 21, Charleston, S. C.

Chief of party E. H. Kirsch

Surveyed by See data sheet in descriptive report.

Inked by R. G. Hickson, and M. L. Smith

Heights in feet above        to ground to tops of trees

Contour, Approximate contour, Form line interval        feet

Instructions dated November 10, 1934, 19

Remarks: None.

## GENERAL INFORMATION

### Statistics:

There are 46.8 square statute miles of land area inked on this sheet. There are 4.4 statute miles of coast line, 23.0 statute miles of shoreline as measured along rivers and streams more than 200 meters in width from the nearest opposite shore, and 59.8 statute miles of shoreline as measured along streams less than 200 meters in width from the nearest opposite shore.

### General Report:

The land area of this sheet consists mostly of marsh and very low grass land. There are a few islands of high ground most of them heavily wooded, though several are under cultivation. The area covered by this sheet is included in the general report of Lt. B. H. Rigg, Chief of party, 1933-34. Submitted with sheet No. 1, Reg. No. 5153.

### Photo Numbers:

The photographs used in the compilation of this sheet were taken with the U. S. Army Air Corps' 5-lens camera. Parts of two flights were used. No. 541 through 553, taken on June 22, 1933, at 2:33 P.M., 1 hour and 5 minutes after low tide; and No. 1209 through No. 1225, taken on October 12, 1933, at 11:10 A.M., 2 hours 54 minutes before high tide.

## CONTROL

### Sources:

Triangulation station Beacon No. 16, was established in 1932 by C. D. Meaney; Triangulation stations ASHE; OTT, 1914; POINT 1908, and EDISTO WEST BASE 1849, were recovered by C. A. Egner in 1933.

All other control was established by C. A. Egner in 1933.

*All control on NA 1927 datum - adjusted.*

### Errors:

No errors were found in the plotting of the control.

### Discrepancies:

No control established by other organizations was used on this sheet.

## COMPILATION

### Method:

The standard radial line method described in Notes on the compilation of Planimetric Line Maps from Five Lens Aerial Photographs was used in compiling this sheet.

### Adjustments of Plot:

No unusual adjustments were necessary in making the plot or compiling this sheet.

### Interpretation:

Some difficulty was experienced in determining all of the small ditches and dikes between Longitude  $80^{\circ} 26'$  to Longitude  $80^{\circ} 29'$  and above Latitude  $32^{\circ} 36'$  as it was necessary to use the outer half of the wing prints which were blurred and very indistinct in such small detail.

The single dashed line running northwest across Musseboro Island to Beards Island is an old railroad bed. From Beards Island to the limit of the compilation it has been converted into a poorly conditioned road.

The territory around the intersection of Long.  $80^{\circ} 28'$  and Lat.  $32^{\circ} 35'$  has been shown as grass land, but it is very low and during some seasons of the year is very damp, almost marsh land.

Dirt roads in fair condition are shown by double dashed lines, dirt roads in poor condition have been indicated by single dashed lines.

Levees have been indicated by double rows of dots.

Hydrographic signals along the Ashpoo River and St. Pierre Creek have been indicated by small black circles. *These are temporary. They will remain on the celluloid but will not be shown on the printed copies of the compilation*

### Information from other sources:

The shore line of Pine Island, above and below triangulation stations DISTO 1933 and SOUTH 2 1933, and the coastline around Bay Point, near triangulation station POINT 1908, was taken from aluminum control sheet "T" Reg. No. 6085. by Lt. B. H. Rigg, Chief of Party, 1933-34. The small portion of the shoreline of the South Edisto River that appears just below triangulation station DODGE 1933 was taken from aluminum control sheet "S" Reg. No. \*, Lt. B. H. Rigg, information was obtained from the field inspection party of Lt. Rigg. \* Not received 9/15/34

### Conflicting Names:

No conflicting names were recorded by the field inspection party.

### COMPARISON WITH OTHER SOURCES

#### Junctions:

Junctions with the following sheets are satisfactory:

Sheet No. 5163 on the North and West  
5162 North

Sheet No. 5186 on the South  
5155 East.

Sheet No. 5169 running North and South through the center  
of the Southern part of the sheet.

Sheet No. 5168 running North and South through the Northern  
part of the sheet. In comparing this sheet with Geological Survey Maps,  
Edisto Island Quadrangle, it was noticed that the road and ferry crossing  
of the Ashepoo River North of Lat.  $32^{\circ} 36'$  between Long.  $80^{\circ} 28'$  and  $80^{\circ} 29'$   
were not shown, all other important features compare favorably.

Landmarks:

A list of landmarks and marked topographic stations has  
been submitted with aluminum control sheets "S" Reg. No. , and "T"  
Reg. No. 6085, by Lt. B. H. Rigg, Chief of Party, 1933-34. Beacon 16  
is a standard Department of Commerce Airways Beacon.

$\phi 32^{\circ} 33.5'$   
 $\lambda 80^{\circ} 28.4'$

Bridges:

The bridge across Mosquito Creek between Musseboro and  
Fenwick Islands is a fixed pile structure with a vertical clearance of  
four feet at mean high water.

RECOMMENDATIONS FOR FURTHER SURVEYS

This compilation is believed to have a probable error of  
not more than 0.3 millimeters in position of well defined detail of  
importance for charting and of not more than 0.6 millimeters 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 additional surveys are required.

Assisted by:

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

Submitted by:

*R. G. Hickson*  
R. G. Hickson,  
*M. L. Smith*  
M. L. Smith.

## REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO.

Title (Par. 56) Ashepoo River - St. Pierre Creek

Chief of Party E. H. Kirsch

Compiled by R. G. Hickson  
M. L. Smith

Project H.T.-162

Instructions dated November 10, 1933

- ✓ 1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 8; and 16, a, b, c, d, e, g and i.) ✓
- ✓ 2. The character and scope of the compilation satisfy the instructions and the "Notes on the Compilation of Planimetric Line Maps from Five Lens Aerial Photographs". ✓
- ✓ 3. The control and adjustment of the radial plot were adequate. (Par. 12, 29.) ✓
- ✓ 4. There is sufficient control on maps from other sources that were transmitted by the field party for their application to the charts. (Par. 28.) No information taken from outside sources.
- ✓ 5. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
- ✓ 6. 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.)
- ✓ 7. Important details shown on previous surveys and on the chart have been compared with this sheet and a statement has been entered in the report regarding the removal from the chart or change in position of important detail such as rocks, lights, beacons, prominent objects, bridges, docks, and structures along the water front.
- ✓ 8. The span, draw and clearance of bridges are shown. (Par. 16c.)
- ✓ 9. The data furnished by the Field Inspection is adequate.

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.



10. The descriptive report covers all details listed in the Manual, so far as they apply to this survey. (Par. 64, 65 and 66.) ✓
11. The descriptive report also contains all additional information required in photo topography as prescribed in the instructions and in the "Notes on the Compilation of Planimetric Line Maps from Five Lens Aerial Photographs". ✓
12. The descriptions of recoverable stations and references to shore line were accomplished on Form 524, and scaling of positions checked. (Par. 29, 30 and 57.) Submitted with A.C. Sheets T6085
13. A list of landmarks for charts was furnished on Form 567 and scaling of positions checked. (Par. 16d, e, 60.)  
Submitted with A.C. Sheets T6085
14. The geographic datum of the sheet is N.A. 1927 adjusted and the reference station is correctly noted. (Par. 34.)
15. Junctions with contemporary surveys are adequate.
16. Geographic names are shown on the sheet and are covered by the Descriptive Report. (Par. 64, 66k.) and are in agreement with charts 436 and 1239, and The U.S. G.S. Quadrangles. ✓
17. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46.) ✓
18. No additional surveying is recommended. ✓

19. Remarks:

20. Examined and approved:

*E. H. Kirsch*

E. H. Kirsch, Chief of Party

21. Remarks after review in office: *see next page.*

Reviewed in office by: *B. G. Jones*

Examined and approved:

*K. T. Adams*

Chief, Section of Field Records

*K. T. Adams*

Asst Chief, Division of Charts

*J. B. Gordon*

Chief, Section of Field Work

*G. H. Hilde*

Chief, Division of  
Hydrography and Topography.

Review of Air Photo Compilation T 5156 (1934)

Topographic Stations. A number of temporary stations located by the compilation for control of hydrography are shown on the celluloid sheet in black circles without names. These will remain on the celluloid sheet as a matter of record but will not appear on the printed copies of the compilation.

Descriptions of recoverable Topographic Stations shown on this compilation are filed as follows:

Station Name	Filed under Sheet No.
Easy (d)	T 6085 (planetable)

Names. Names shown on this compilation are in agreement with the charts. The descriptive report for compilation T 5155 (1934) states that McConkie Beach, just east of Bay Pt., is shown on the local sanitary map as Edesto Beach. The report does not, however, say that the name is definitely in local use and makes no recommendation to change it. The report on this name has been called to the attention of Mr. ~~Stern~~ <sup>Bacon</sup>.

Sheet Layout. The peculiar lay out of this compilation is due to the fact that a north and south line of 1:10,000 single lens photos were taken of the South Edesto River. These were compiled to their limits on compilations 5168, 5169, 5186. This compilation fills in the detail between the limits of the 1:10,000 work and the 1:20,000 compilations to the east and west.

Comparison with other surveys. The descriptive report for this compilation states that the area is covered in part by planetable control surveys, Field Letter S, and Field Letter T, Reg. No. 6085. The compilation agrees with the small amount of detail on T 6085. Recoverable topographic station Easy (d) was transferred to this compilation in the office. Planetable sheet, Field Letter S, has not been received.

The new hydrographic survey covering the small amount of water area on this compilation has not been received.

Comparison with the last previous planetable survey T 3815 (1920), entrance to South Edisto River, shows no large change. The S.E. end of Pine I., incomplete on T 3815 (1920) is completed on this compilation. A small amount of the detail in the N.W. section of this compilation along the Ashepoo River is shown on T 611 (1856 to 1859). There has been no considerable change. The compilation is adequate to supersede both of these older surveys for the area covered.

*B. J. Jones*

Dec. 7<sup>th</sup> 1934

NOTE TO GO WITH SHEET NO. 5156

The attached piece of celluloid shows the corrections made to the New Chehaw River and Old Chehaw River in the N. W. corner of sheet No. 5156.

These corrections were found necessary as follows:

After the sheet had been finished, it was found that the shoreline of the above rivers, on the Hydrographic smooth sheet made from the red line print, was badly in error with numerous soundings falling outside the shoreline. This was found to be due to poor compilation from poor photographs.

In the absence of this sheet, a new compilation was made of this area, to the scale of the adjoining sheet No. 5163, using <sup>original</sup> ~~some~~ radial points. Great care was used, and this compilation, when expanded in the enlarging camera, agreed with the soundings on the hydrographic sheet and the shoreline of the latter accordingly corrected.

When sheet 5156 was returned to this office, the projection lines were traced off, for the above area, on the attached celluloid and the new compilation traced on, by means of the camera. This was placed under sheet 5156, the rivers erased, and corrected as shown.

Attention is called to the following stickup names on sheet No. 5156:

- (a) The correct name is OLD CHEHAW and NEW CHEHAW RIVER, instead of "CHERAW".
- (b) Below Rock Creek, the word "CULTIVATED" appears in the marsh and should be removed. This shows on the print only.
- (c) "McCONKIE BEACH" should be "EDISTO BEACH".
- (d) Portions of the following stickup names are missing on the celluloid, "BIG BAY CREEK", "ST. PIERRE CREEK", "FISHING CREEK", "ABANDONED R.R. BED USED AS ROAD".

M.R. Donaldson

M. R. Donaldson.

*above corrections  
applied to celluloid  
before printing  
B.G. Jones*

*E.H.K.  
C.G.P.*

SOUTH CAROLINA

Survey No. T 5156

## GEOGRAPHIC NAMES

Date Mar 18 1935

Chart No. 435 436

Diagram No. 1239 1240

*Names underlined in red approved March 21, 1935**Harlow Bacon**Investigation by H.L.F.*

Approved by the Division of Geographic Names, Department of Interior. \*

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

Under investigation. Q

*Retain names as now on sheet till  
D.G.N. renders decision*

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Scanawah Island</u>	Same			
	<u>Baileys Creek</u> <sup>Let GN 34</sup> R	Bailey Creek		} To be referred to DGN "Baileys" recommended	
	<u>Baileys Island</u> <sup>Let GN 34</sup> R	Bailey Island			
	<u>St Pierre Creek</u>	Same			
	<u>Peters Point</u>	"			
	<u>Fishing Creek</u>	"			
	<u>South Edisto River</u>	"			
	<u>Big Bay Creek</u>	"			
	<u>The Neck</u>	"			
	<u>The Mound</u>	"			
	<u>Pine Island</u>	"			
	<u>Bay Point</u>	"			
	Edisto Beach <sup>Q</sup> R	McConkie Beach			
	<u>Atlantic Ocean</u>				
	Note: Our charts do not cover this area. in detail.				
	These names have been taken from the				
	Progressive Military Maps. Only the more				
	prominent features are named on existing				
	charts.				

## GEOGRAPHIC NAMES

Date March 18 1935

Chart No.

Diagram No. 1239 1240Names underlined in red approved Mar, 21, 1935Harlow BaconInvestigation by H.L.F.

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>Hole in the Wall</u>				
	<u>Beards Island</u>				
	<u>Bluff Islands</u>				
	<u>Old Chehaw River</u>				
	<u>New Chehaw River</u>				
	<u>Big Island</u>				
	<u>Ashepoo River</u>	Same			
	<u>Settlement Islands</u>				
	<u>Bennett Island</u>				
	<u>Musseboro Island</u>				
	<u>Sawyers Island</u>				
	<u>Crooked Creek</u>				
	<u>Warren Island</u>				
	<u>Bolders Island</u>				
	<u>Bennett Point</u>				
	<u>Mosquito Creek</u>				
	<u>Fenwick Island</u>	Same			
	<u>Fenwick Island (Town)</u>				
	<u>Hutchinson Island</u>	Hutchinson Islands			
	<u>Hutchinson Island (Town)</u>				
	<u>Rock Creek</u>				
	<u>Beet Island</u>				