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DEPARTMENT OF COMMERCE

U.S. COAST AND GEODETIC SURVEY . R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT Field 73 Sheet No. Reg. 5392

TopographicHandragouphic

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State South Carolina

PRICE INLET

193 4-5

E. H. Kirsch

II. S. GOVERNMENT PRINTING OFFICE: 1934

Cepplied to clear 837 hov. 20, 1935 APRE-" " 1239 april 1937 2.M.A. " " 1238 Oct. 18, 1937 g. H.S.

DATE Aug. 2, 1934 Aug. 13, 1934	TIME 8:40 A.M. 2:35 P.M.
Le C. Ripley	12-21-34
J. B. Mutting T. B. Nutting	12-21-34
Trans M. D. Crook	12-29-34
Ekuleno E/J. Anderson	12 - 29-34
W. W. King	12-2 9-34
J. J. Richardson	
Inans. M. D. Crook	1-2-35
R. G. Hickson Jane	1-14-35
Inang. L. C. Lande	
Inens. R. G Hickson	3-4-35
P. W. Hund	
Inang. R. G. Hickson	3 - 8 -3 5
	Aug. 2, 1934 Aug. 13, 1934 **Electron Standardson Them M. D. Crook **Cluberton Electron Electron W. W. King **A. Anderson **J. Anderson

AREA OF DETAIL INKED: 11 Square Statute Miles.

LENGTH OF COASTLINE: 4 St. Miles.

LENGTH OF SHORELINE: 6.1 St. Miles (more than 200 meters wide).

LENGTH OF SHORELINE: 34.5 St. Miles (Less than 200 meters wide).

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. 73

GENERAL INFORMATION

Statistics:

The land area covered by this sheet is 11 square statute miles. There are 4 statute miles of coastline, 6.1 statute miles of shore line as measured along streams more than 200 meters in width from the nearest opposite shore, including the shoreline of the portions of Sewee Bay and Mark Bay that appear on this sheet. There are 34.5 statute miles of streams less than 200 meters in width from the nearest opposite shore.

General Report:

No general report is available for this area. About three square statute miles of the area covered by this sheet is high ground and thickly wooded with pine and oak trees. A few cleared fields, some of them under cultivation, appear in the northern corner of the sheet. The balance of the area is salt marsh broken by many tidal streams.

Photographs:

This sheet was compiled from parts of two flights of photographs taken by the Aero Service Corporation of Philadelphia with a standard U. S. Army Air Corp's type 5-lens aerial camera No. T3A HUI 33.

Photos No. 62 to 65, running northeast across the northern corner of this sheet, were taken on August 2, 1934 at 8:40 A.M., one hour and 40 minutes after low tide. Photos 511 to 522 running southwest on the sheet down the center of Bull Island and Capers Island were taken on August 13, 1934 at 2:35 P.M., 57 minutes before low tide.

CONTROL

Sources:

Traverse stations CT-169 through CT-175 used in making the plot of this sheet were established by the State of South Carolina, N. A. 1927 datum, unadjusted. All other control used was established or recovered by Lt. B.H. Rigg, 1934, and is unadjusted to N. A. 1927 datum.

G.C.S. "DD" Reg. No. 7-6290 b, B. H. Rigg, 1934-5

Errors:

No errors were found in the plotting of control.

Discrepancies:

No discrepancies were found in the control used.

COMPILATION

Method:

The usual radial line method of plotting was used as

described in the U. S. Coast and Geodetic Survey "Notes on the Compilation of Planimetric Line Maps from Aerial Photographs".

Adjustments of Plot:

No unusual adjustments of the plot were necessary.

Interpretation:

The outside beach line was transferred to this compilation from G.C.S. "DD" Reg. No. 7-62906, Lt. B. H. Rigg, Chief of Party 1934-35, as it was impossible to distinguish the exact high water line from the photographs.

Sewee Bay and Mark Bay are very shallow and, except for a few channels, bare at low water. These channels have been outlined with dotted lines where they could be distinguished and the mud flats dotted in.

The only symbols used were the graphic symbols shown in the U. S. Coast and Geodetic Survey Topographic Manual. There are no paved roads on this sheet. Poor motor roads have been shown with a double dashed line and trails with a single dashed line.

Information from other sources:

As stated above the coastline was transferred from Graphic Control Sheet "DD" Reg. No. 7-6290 b.

Field inspection by Lt. B. H. Rigg, 1934-35.

Conflicting Names:

No conflicting names were recorded by the field inspection party.

COMPARISON WITH OTHER SURVEYS

Junctions:

Junctions with the following sheets are satisfactory. No. 5391 on the Northeast, 5393 on the west and 5394 on the west.

LAYDUARKS

A list of landmarks and marked topographic stations will be submitted with Graphic Control sheet "DD" Reg. No. 7-6290 b, by Lt. B. H. Rigg, 1934-5.

RECOMMENDATION FOR FURTHER SURVEYS

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

To the best of my knowledge this compilation 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, Chief of Party. Submitted by;

R. G. Hickson.

Date. July 15, 1935 GEOG	RAPHIC NAM	1ES
Date. Vary 10 / 100		

Survey No. 7- 5392	_
Chart No. /2 38	
Diagram No. /238	

Approved by the Division of Geographic Names, Department of Interior. $\frac{1}{2}$ 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	Locatio
	Mark Bay	some			
	Santee Pass	rue			
	Price Inlet	same	<u> </u>		
·	Capers Island	pane			
	Bull Island	same			
· ———-	Clauson Creek	same			
	Servee Bay	pane	· 		
	Bull Narrows.	same			
	Price Creek	same			
	Schooner Creek				
<u>. </u>	Sewec Road				
	Back Creek.	sauce	 _		
_					
					
,					
	·				
		names offered 9/24/35			
		K.T. Adams			
_ 		1-11/1/22		 	

Note a number of the lights whown on the graphic control surveys are charge noted as Beacons on this confidence of the time of the graphic control surveys there lights were had not been complished by piles or the unfinished light shrutures. See page 5, were what I 6295 h. There lights are not jet in operation occurring to aid surof examined this date. 2/17/36 By Jones.

Only I such light on this compilation

Review of Air Photo Compilation T 5392

Comparison with Graphic Control Surveys

T-6290b (1935), 1:10,000 scale.

There are no discrepancies between T-6290b and this compilation over the common area. All detail shown on T-6290b is also shown on this compilation with the exception of non-recoverable plane table positions and the magnetic meridian.

Comparison with Previous Topographic Surveys

T-681 (1856), 1:20,000 scale.

T-681 covers the coast of Capers Island and Dewees Island. There are changes in the position of the coastline here. T-681 lacks a complete projection. It is superseded by this compilation over the common area.

T-1400b (1875), 1:20,000 scale.

T-1400b covers the coast and interior topography from Price Inlet to Beach Inlet. The most prominent change occurs at the west shore of Price Inlet which has undergone extensive erosion in places and building up of the beach in others. The interior marsh areas have not changed in a general way, except where the new intracoastal waterway has cut through. T-1400b is superseded by this compilation over the common area.

T-3842 (1921), 1:20,000 scale. T-3842 covers the coast from Price Inlet to Charleston entrance. Price Inlet has undergone a complete change of shoreline since 1921. This inlet and a portion of Capers Island are the only areas of the compilation in common with T-3842. These are superseded by the compilation.

Comparison with New Hydrographic Surveys

H-5804 (1935), 1:10,000 scale.

There is now good agreement between H-5804 and this compilation. Changes of low water line have been made on the compilation at Price Inlet to agree with H-5804.

Comparison with the Charts

Chart No. 1238. -- No landmarks have been recommended by the field parties working in the area of this compilation. Lights and beacons in the new intracoastal waterway are shown on this compilation, although

they are not yet listed in the Local Light and Buoy List. Changes to be made to this chart as a result of this compilation are discussed above under the comparison with previous topographic surveys.

July 26, 1935.

Leonard A. McGann.

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REVIEW OF AIR PHOTO COMPILATION NO. 5392

Chief of Party: E. H. Kirsch

Compiled by: R. G. Hickson

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)
- 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)

 New lights and beacons are shown.
- 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)

 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.
- V6. 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)
- 17. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

 High water line on Saud beach of Bull and Capers Island transferred from graphic control survey T-6290 b.

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."

- 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)
- 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 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. quadraugles are available for this area.

The geographic datum of the compilation is NH1927 and the 13. 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.
- 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)

- No additional surveying is recommended at this time.
- Remarks:

/18. Examined and approved;

19. Remarks after review in office:

Reviewed in office by Leonard a Mulsaur July 2

Examained and approved:

Chief, Section of Field Records

Chief, Division of Charts

Section of Field Work

Division of Hydrography

and Topography.