

# 10317

Diag. Cht. No. 1240-2.

Form 504

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-154 Office No. T-10317

### LOCALITY

State South Carolina

General locality Port Royal Sound

Locality Fort Fremont

1955

### CHIEF OF PARTY

J.E.Waugh, Chief of Party

W.F.Deane, Balto. District Officer

### LIBRARY & ARCHIVES

DATE November 17, 1961

USCOMM-DC 5087

# 10317

DESCRIPTIVE REPORT - DATA RECORD

T-10317

Project No. (II): **Ph-154**  
~~14174~~ Quadrangle Name (IV):  
Field Office (II): **Burton, S. C.** Chief of Party: **J. E. Waugh**  
Photogrammetric Office (III): **Baltimore, Md.** Officer-in-Charge: **William F. Deane**  
Instructions dated (II) (III): **16 August 1955 (Field & Office)** Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): **Graphic**

Manuscript Scale (III): **1:10,000**

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): **1.000**

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): **18 Feb 1960**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N.A. 1927**

Vertical Datum (III): **MHW**

Mean sea level except as follows:  
Elevations shown as (25) refer to mean high water  
Elevations shown as (5) refer to sounding datum  
i.e., mean low water or mean lower low water

Reference Station (III): **STATION ISLAND 2, 1933**

Lat.: **32° 16' 53.823" (1657.8 m)** Long.: **80° 38' 29.909" (782.6 m)**

Adjusted  
~~1657.800~~

Plane Coordinates (IV):

State **South Carolina** Zone: **South**

Y=

X=

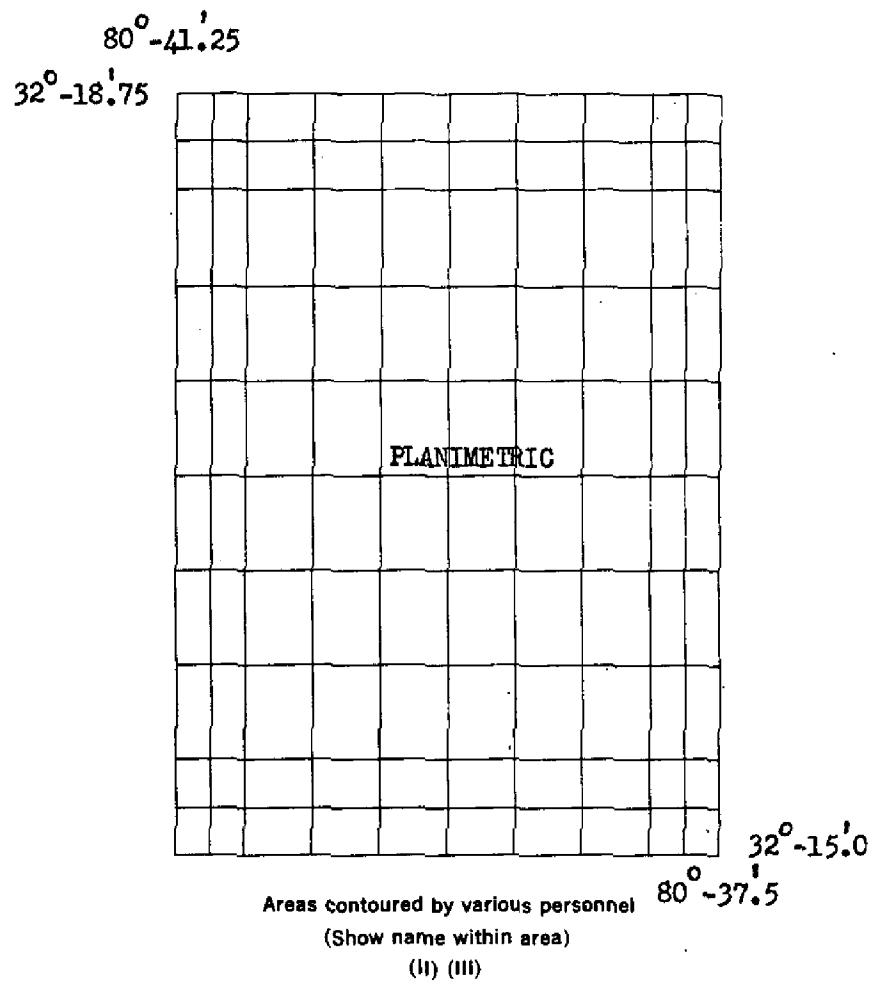
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,  
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

FORM 181a  
(4-23-54)

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY



DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): John S. Winter  
Leo F. Beugnet  
Martin C. Moody

Date: Oct., 1955  
Oct., Nov., 1955  
Oct., Nov., 1955

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): Field inspection supplemented by office interpretation of photography taken 21 November 1955.

Projection and Grids ruled by (IV): A. Riley

Date: 10/10/55

Projection and Grids checked by (IV): A. Riley

Date: 10/10/55

Control plotted by (III): A. W. Willis

Date: 5/21/56

Control checked by (III): E. L. Williams

Date: 5/22/56

Radial Plot ~~of Stereoscopic~~

~~Control checked~~ by (III): L. A. Senasack

Date: 9/4/56

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Date:

Date:

Manuscript delineated by (III): L. A. Senasack  
H. R. Rudolph

Date: 1/6/59

Photogrammetric Office Review by (III): R. Glaser

Date: 3/25/59

Elevations on Manuscript  
checked by (II) (III):

Date:

# DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

Camera (kind or source) (III): C&GS nine-lens

4

PHOTOGRAPHS (III)					
Number	Date	Time	Scale	Stage of Tide	
49367 thru 49369	3/23/55	1510	1:10,000	1.0'	above MLW
49389	"	1527	"	0.7'	"
52248	11/21/55	1049	"	5.8'	"

Tide (III)  
From Predicted Tide Tables

Reference Station: Savannah River Entrance  
Subordinate Station: Hilton Head  
Subordinate Station: Parris Island, Beaufort River

Ratio of Ranges	Mean Range	Spring Range
	6.9	8.1
	6.6	7.8
	7.1	8.3

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 5  
Shoreline (More than 200 meters to opposite shore) (III): 7.5  
Shoreline (Less than 200 meters to opposite shore) (III): 17.0  
Control Leveling - Miles (II):  
Number of Triangulation Stations searched for (II): \*11 Recovered: 3 Identified: 2  
Number of BMs searched for (II): 9 *AP* Recovered: 8 Identified: 2  
Number of Recoverable Photo Stations established (III): 1  
Number of Temporary Photo Hydro Stations established (III):

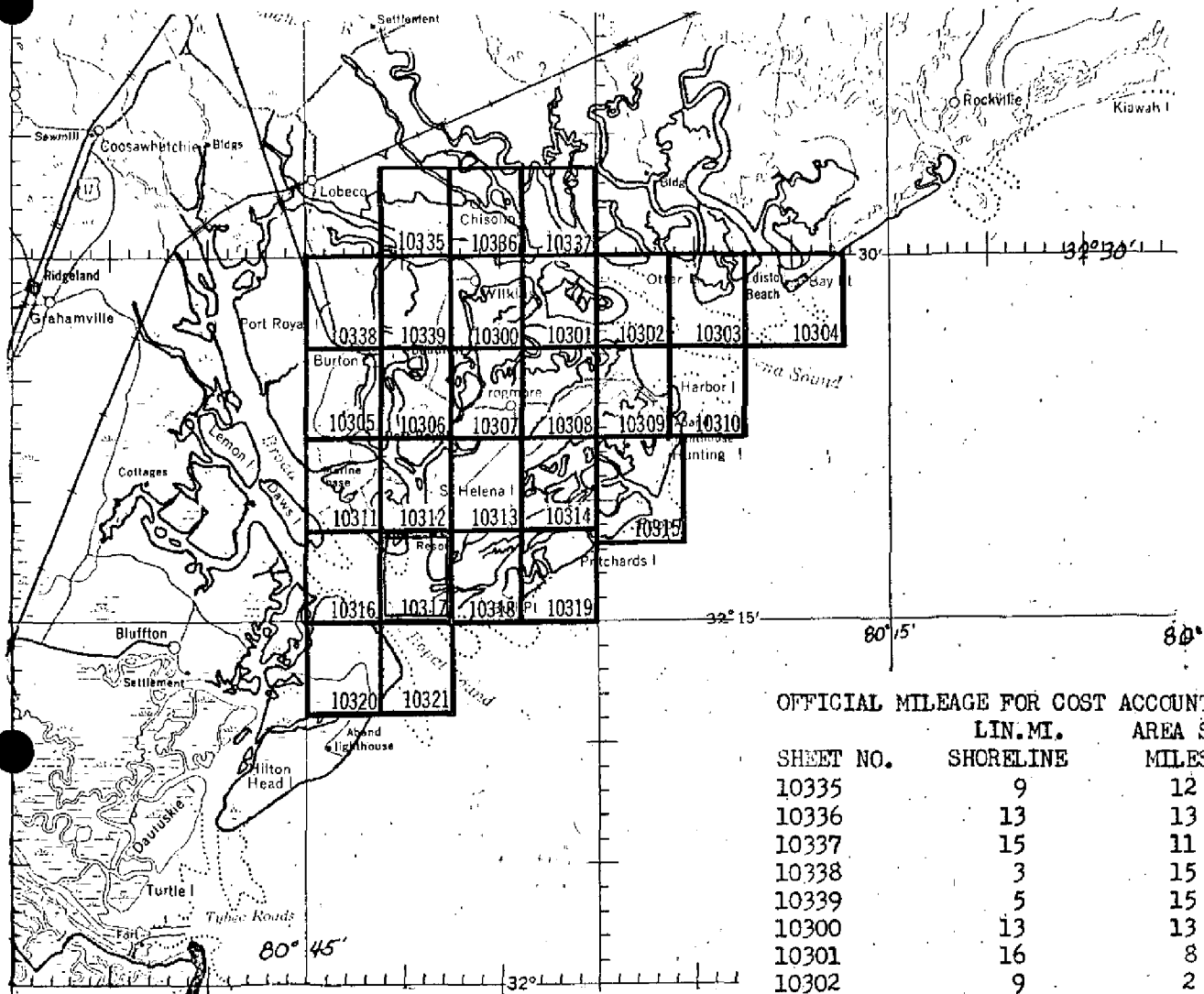
Remarks:

\* In addition, 3 third-order stations were established.

# SHORELINE MAPPING PROJECT 6154

## ST. HELENA SOUND TO PORT ROYAL SOUND; S. CAROLINA

5



### OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET NO.	LIN. MI. SHORELINE	AREA SQ. MILES
10335	9	12
10336	13	13
10337	15	11
10338	3	15
10339	5	15
10300	13	13
10301	16	8
10302	9	2
10303	9	3
10304	7	3
10305	6	15
10306	13	13
10307	8	14
10308	3	15
10309	13	11
10310	3	1
10311	9	12
10312	16	12
10313	6	15
10314	13	13
10315	13	8
10316	9	2
10317	8	4
10318	13	9
10319	9	4
10320	4	15
10321	5	1

TOTALS 250

259

FIELD INSPECTION REPORT  
Project 6154  
Map T-10317

Please refer to the Field Inspection Report for Map  
T-10316 for all data pertaining to this map.

5 JAN 1956

*Isaiah Y. Fitzgerald*  
Isaiah Y. Fitzgerald  
Photogrammetric Engineer

Approved & Forwarded: 5 JAN 1956

*J. E. Waugh*  
J. E. Waugh  
CDR, C & GS  
Chief of Party

SCALE FACTOR

1 FT. = .3048006 METER	COMPUTED BY: A. W. Willis	DATE: 7 May 1956	CHECKED BY: J. Steinberg	DATE: 16 May 1956	COMM-DC-57843
------------------------	---------------------------	------------------	--------------------------	-------------------	---------------

COMPILATION REPORT  
T-10317

The Photogrammetric Plot Report for the area of this survey is included in Descriptive Report, T-10307.

31. DELINEATION

Graphic methods were used. The Field Inspection was adequate.

32. CONTROL

The identification, density and placement of horizontal control was adequate.

33. SUPPLEMENTAL DATA

An annotated copy of A.M.S. Fort Fremont Quadrangle was used for geographic names.

34. CONTOURS AND DRAINAGE

Contours: Not applicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. The shoreline in the vicinity of BAY POINT has been revised using the November 1955 photographs which were taken after field inspection. The shoreline in this area has been shown with a dashed line. The approximate low water line was delineated from the March 1955 photographs since they were taken at a lower stage of tide.

36. OFFSHORE DETAILS

The limits of breakers and shoal areas south of BAY POINT ISLAND were delineated from office interpretation of the photographs.

37. LANDMARKS AND AIDS

Three fixed aids to navigation fall within the area of this survey as follows:

BEAUFORT RIVER LT 13 1955

BEAUFORT RIVER LT 17 1955

STATION CREEK DAYBEACON A 19 1955

BEAUFORT RIVER LT 17 - The position of this light may be in error as reported on Form 567, dated 11 January 1956, as it was reported destroyed in "Notice to Mariners No. 42-1958" and then reported rebuilt in "Notice to Mariners No. 50-1958."

38. CONTROL FOR FUTURE SURVEYS

Form 524 for Recoverable Photo Station, CAMP, 1955, was submitted on 12 October 1956. This station was not listed under Item 11 of the field inspection report.

39. JUNCTIONS

Junctions have been made with T-10312 to the north, T-10318 to the east, T-10321 to the south and T-10316 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. thru 45. - Not applicable.

46. COMPARISON WITH EXISTING MAPS

This survey has been compared with the following maps:

A.M.S. Fort Fremont quadrangle, dated 1948, scale 1:50,000.

T-5188, Trenchards Inlet, compiled from 1933 photography, scale 1:20,000.

T-5210, Parris Island, compiled from 1933 photography, scale 1:10,000.

47. COMPARISON WITH NAUTICAL CHARTS

This survey has been compared with the following Nautical Charts:  
Chart 571, scale 1:40,000, edition of October 1936, revised 8 September 1956.

Chart No. 838, scale 1:40,000, edition of March 1952, revised 10 July 1957.

Items to be applied to Nautical Charts immediately: None.

Items to be carried forward: None.

Respectfully submitted:  
6 January 1959

Approved and Forwarded

*William F. Deane*

William F. Deane,  
CDR C&GS  
Baltimore District Officer

*Harry R. Rudolph*  
Harry R. Rudolph  
Carto. (Photo.)

48. GEOGRAPHIC NAME LIST

Bay Point  
Bay Point Island  
Beaufort County  
Beaufort River

Fort Fremont (town)  
Fort Fremont (abandoned fort)

Intracoastal Waterway

Lands End

Middle Shoal  
\* Morse Island Creek

\* Parris Island  
Parris Island Spit  
Parris Island Marine Corps Recruit Depot  
Port Royal Sound

Ribaut Monument

St. Helena Island  
\* St. Phillips Island  
Sea Side Road  
Station Creek

\* B.G.N. Decisions

*George M. Ball*  
Geographic Names Section  
31 August 1959

3-25-59

50-

PHOTOGRAMMETRIC OFFICE REVIEW

T-10317

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

CONTROL STATIONS

4a. Classification label ☒

5. Horizontal control stations of third-order or higher accuracy ☒ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ☒ 7. Photo hydro stations ☒ 8. Bench marks ☒  
9. Plotting of sextant fixes ☒ 10. Photogrammetric plot report ☒ 11. Detail points ☒

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ☒ 13. Low-water line ☒ 14. Rocks, shoals, etc. ☒ 15. Bridges ☒ 16. Aids to navigation ☒ 17. Landmarks ☒ 18. Other alongshore physical features ☒ 19. Other along-shore cultural features ☒

PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☒ 22. Planetable contours ☒ 23. Stereoscopic instrument contours ☒ 24. Contours in general ☒ 25. Spot elevations ☒ 26. Other physical features ☒

CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 30. Other cultural features ☒

BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☒ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒

40. P. Glaser  
Reviewer

Joseph Steinberg  
Supervisor, Review Section of Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

\_\_\_\_\_  
Compiler

\_\_\_\_\_  
Supervisor

43. Remarks:

**STRIKE OUT ONE**

NO BE DELVED

**NONFLOATING AIDS OR LANDMARKS FOR CHARTS/**

11 January, 1956

I recommend that the following objects which have ~~(14476/14476)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(14476/14476)~~ the charts indicated.

The positions given have been checked after listing by J. E. Waugh

/s/ J. E. Waugh

*Chief of Party.*

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating* aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

\* TABULATE SECONDS AND METERS

Refer to Descriptive Report T-10346  
for a Review Report covering this manuscript

Reviewed by

A. K. Embo  
A. K. Embo

Approved by

L. C. Lande  
L. C. Lande  
Chief, Review Section

G. B. Mast  
~~Chief, Coastal surveys~~  
~~Division~~  
Asst. Chief, Operations Division

L. J. Woodcock  
Asst. L. W. Swanson, Chief  
Photogrammetry Division

J. E. Waugh 11/27/61  
~~Chief, Chart Division~~  
Nautical Chart Division  
Office of Cartography

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-10317

### Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.