

# 10321

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-10321

### LOCALITY

State South Carolina

General locality Port Royal Sound

Locality Hilton Head Island

1955

### CHIEF OF PARTY

J.E.Waugh, Chief of Field Party  
W.F.Deane, Balto. District Officer

### LIBRARY & ARCHIVES

DATE November 17, 1961

USCOMM-DC 5087

# 10321

DESCRIPTIVE REPORT - DATA RECORD

T- 10321

Ph-154

Project No. (II): 6154 Quadrangle Name (IV):

Field Office (II): Burton, S. C.

Chief of Party: J. E. Waugh

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: W. 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): WAL 4, 1955

Lat.: 32° 14' 06.610" (203.6m) Long.: 80° 40' 39.938" (1045.6 m)

Adjusted

~~unadjusted~~

Plane Coordinates (IV):

State: South  
Carolina

Zone: south

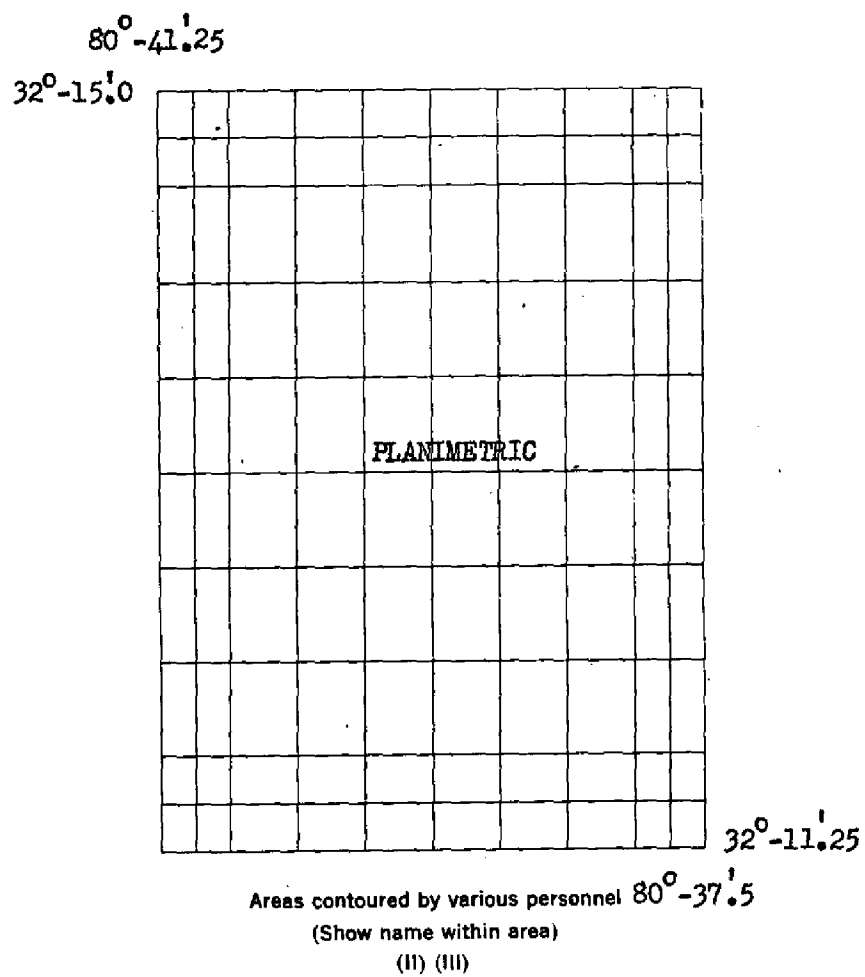
Y=

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.

## DESCRIPTIVE REPORT - DATA RECORD

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): John S. Winter

Date: Oct., Nov., 1955

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): Oct. and Nov. 1955 field inspection on March 1955 photographs corrected by office interpretation of Nov. 1955 photographs.

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

Date: 10/11/55

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

Date: 10/11/55

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

Date: 5/18/56

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

Date: 5/18/56

Radial Plot ~~on Stereoscopic~~ Leroy A. Senasack  
~~Control extension~~ by (III):

Date: 9/4/56

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Date:

Date:

Manuscript delineated by (III): L. A. Senasack  
R. M. Whitson

Date: 1/27/59

Photogrammetric Office Review by (III): R. Glaser

Date: 3/3/59

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

Date:

# DESCRIPTIVE REPORT - DATA RECORD

4

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

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
49416-17-18	3/23/55	15:48		1:10,000	2.1' above MLW
52252	11/21/55	11:02		"	6.1' " "

## Tide (III) From Predicted Tables

Reference Station: Savannah River Entrance  
Subordinate Station: Hilton Head  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	6.9	8.1
	6.6	7.8

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): 2  
Shoreline (More than 200 meters to opposite shore) (III): 4 mi.  
Shoreline (Less than 200 meters to opposite shore) (III): 1 mi.  
Control Leveling - Miles (II):  
Number of Triangulation Stations searched for (II): \* 3 Recovered: None Identified: 2  
Number of BMs searched for (II): Recovered: Identified:  
Number of Recoverable Photo Stations established (III):  
Number of Temporary Photo Hydro Stations established (III):

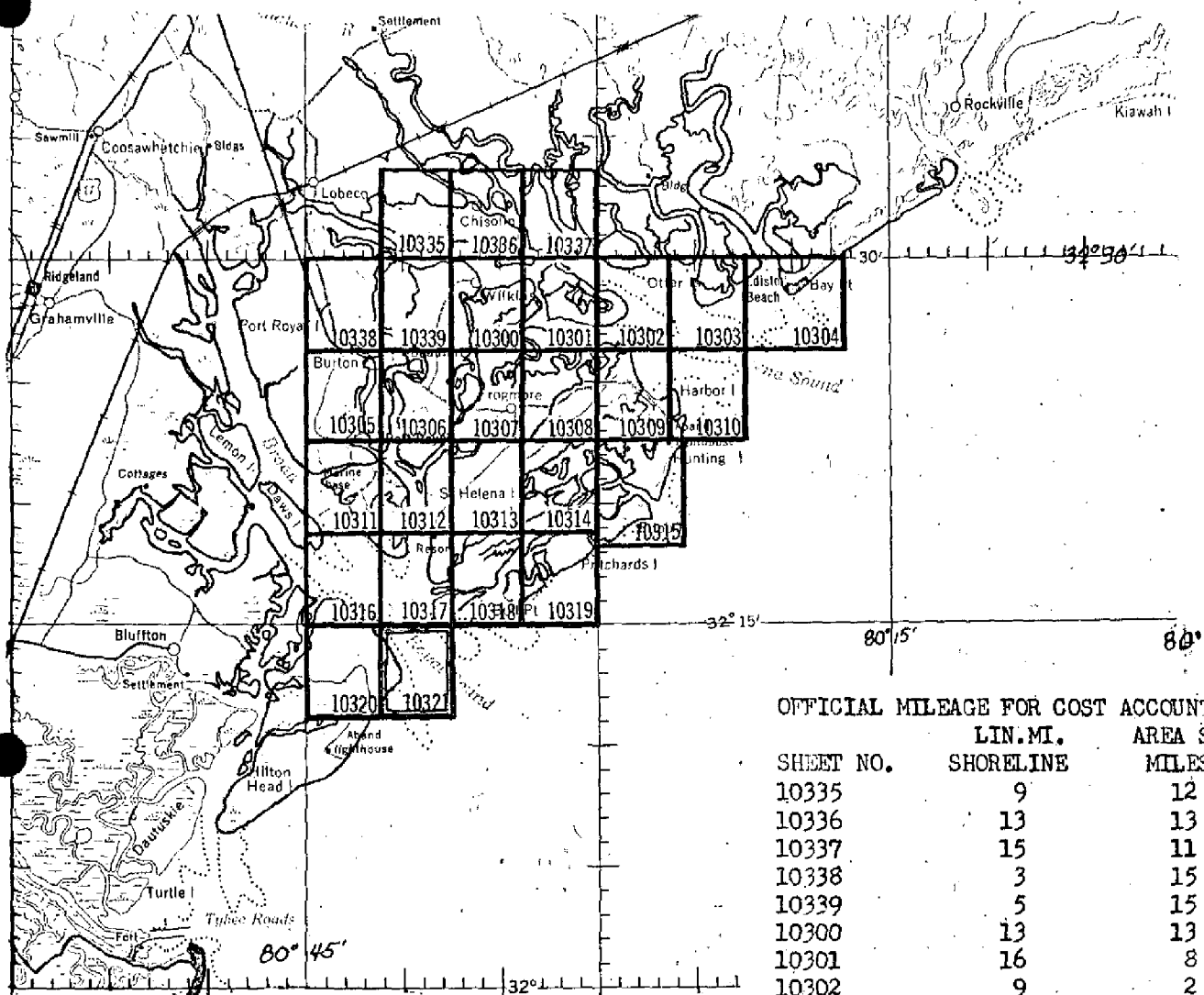
Remarks:

\* In addition, two marked third-order stations were established, one was identified; one unmarked third-order station was established and identified.

# 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-10321

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:

*J. E. Waugh* 15 JAN 1956

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

MAP T-10321

PROJECT NO.

Ph-154

SCALE OF MAP.

1:10,000

SCALE FACTOR

[illegible]

1 ET = 3048006 METERS

COMPUTED BY:

A. W. Willis

DATE: \_\_\_\_\_

5/7/56

CHECKED BY: \_\_\_\_\_

**E. L. Williams**

DATE \_\_\_\_\_

5/17/56

COMM-DC-5784



COMPILATION REPORT  
T-10321

PHOTOGRAMMETRIC PLOT REPORT; is a part of Descriptive Report for  
T-10307.

31. DELINEATION

The manuscript was compiled by graphic methods.

The shoreline inspection was considered adequate.

32. CONTROL

Identification, density and placement of horizontal control is  
considered to be adequate.

33. SUPPLEMENTAL DATA

An annotated copy of A.M.S. Hilton Head, South Carolina quadrangle  
was used for geographic names.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The November 1955 photographs were office interpreted and used to  
correct the earlier field inspection where such changes were deemed  
necessary.

Low-water and shoal lines were based on data furnished by the field  
party.

36. OFFSHORE DETAILS

See item 49, "Notes for the hydrographer".

37. LANDMARKS AND AIDS

Form 567 has been previously submitted for one landmark.

There are no Aids to Navigation within the limits of this survey.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made and are in agreement with T-10317 to the north and T-10320 to the west. All water areas are to the east and to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 through 45

Not applicable.

46. COMPARISON WITH EXISTING MAPS

A.M.S. quadrangle, Hilton Head, South Carolina, scale 1:50,000, edition of 1948 - 49.

C&GS Air Photo Compilation T-5135, Hilton Head Island, scale 1:20,000, from photographs of 1933.

47. COMPARISON WITH NAUTICAL CHARTS

Chart 571, scale 1:40,000 published October 1936, revised to March 1956, and corrected to August 1956.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted  
29 January 1959



Ruth M. Whitson  
Carto. Photo. Aid

Approved and forwarded



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

T-10321

48. GEOGRAPHIC NAME LIST

Atlantic Ocean

Beaufort County

Fishing Rip

Fort Wagner (ruins)

Hilton Head

Hilton Head Island

Joiner Bank

Port Royal Sound

\*B.G.N. Decision

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

3-3-59

PHOTOGRAMMETRIC OFFICE REVIEW

T: 10321

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. R. E. Glavin Reviewer Joseph H. Stenberg Supervisor, Review Section or 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**

## NONFLOWING/AIDS/OR LANDMARKS FOR CHARTS

Photogrammetric Party 1  
Baltimore, Maryland

11 January  
October

1956

~~R. Oleson / J. E. Waugh~~

~~R. Olasen / J.E. Waugh~~

**J. E. Waugh**

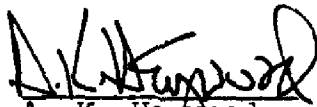
Chief of Party.

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-10306  
for a Review Report covering this manuscript.


Reviewed by

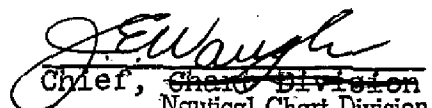
  
A. K. Heywood

Approved by

  
L. C. Lande  
Chief, Review Section

  
~~Chief, Coastal Surveys~~  
~~Division~~  
Asst. Chief, Operations Division

  
Asst. ~~L. W. Swanson~~, Chief  
Photogrammetry Division

  
Chief, ~~Chart Division~~  
Nautical Chart Division  
Office of Cartography

11/27/61

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-10321

### 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.