

# 10313

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-10313

### LOCALITY

State South Carolina

General locality St. Helena Island

Locality Station Creek

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

# 10313

DESCRIPTIVE REPORT - DATA RECORD

T-10313

Project No. (II): **Ph-154**  
**6174**      Quadrangle Name (IV):  
  
Field Office (II): **Burton, S. C.**      Chief of Party: **J. E. Waugh**  
Photogrammetric Office (III): **Baltimore, Md.**      Officer-in-Charge: **W. F. Deane**  
Instructions dated (II) (III): **16 August 1955 (Field and 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): **17 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): **PRIT, 1933**  
Lat.: **32° 19' 55.394" (1706.3 m)** Long.: **80° 35' 40.372 (1055.8 m)**      Adjusted  
~~XXXXXXXX~~  
Plane Coordinates (IV):      State: **S. C.**      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

PLANIMETRIC

Areas contoured by various personnel  
(Show name within area)  
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): J. S. Winter  
M. C. Moody  
J. L. Mann

Date: Sept. 1955  
Sept. to Oct. 1955  
Sept. to Oct. 1955

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 1955, Date of Photography  
supplemented by field inspection

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

Date: 10/7/55

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

Date: 10/7/55

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

Date: 5/25/56

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

Date: 5/25/56

Radial Plot ~~or Stereoscopic~~ L. A. Senasack  
~~Control extension~~ by (III):

Date: 9/4/56

Planimetry  
Stereoscopic Instrument compilation (III):  
Contours

Date:

Date:

Manuscript delineated by (III): J. Councill

Date: 2/20/59

Photogrammetric Office Review by (III): R. Glaser

Date: 4/2/59

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

Date:

## DESCRIPTIVE REPORT - DATA RECORD

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

Number	Date	Time	Scale	Stage of Tide
49364	3/23/55	1508	1:10,000	0.6' above MLW
49365 - 66	"	1509	"	-0.2' below "
49392	"	1529	"	0.1' above "

Tide (III)  
From Predicted Tide TablesReference Station: Savannah River Entrance  
Subordinate Station: Longwood, Station Creek  
Subordinate Station: Chowan Creek, Distant Island

Ratio of Ranges	Mean Range	Spring Range
	6.9	8.1
	6.9	8.1
	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): 15  
Shoreline (More than 200 meters to opposite shore) (III): 6 miles  
Shoreline (Less than 200 meters to opposite shore) (III): 24 "  
Control Levelling - Miles (II): 9  
Number of Triangulation Stations searched for (II): 34 Recovered: 4 Identified: 3  
Number of BMs searched for (II): 6\*\* Recovered: 2 Identified: 0  
Number of Recoverable Photo Stations established (III):  
Number of Temporary Photo Hydro Stations established (III):

## Remarks:

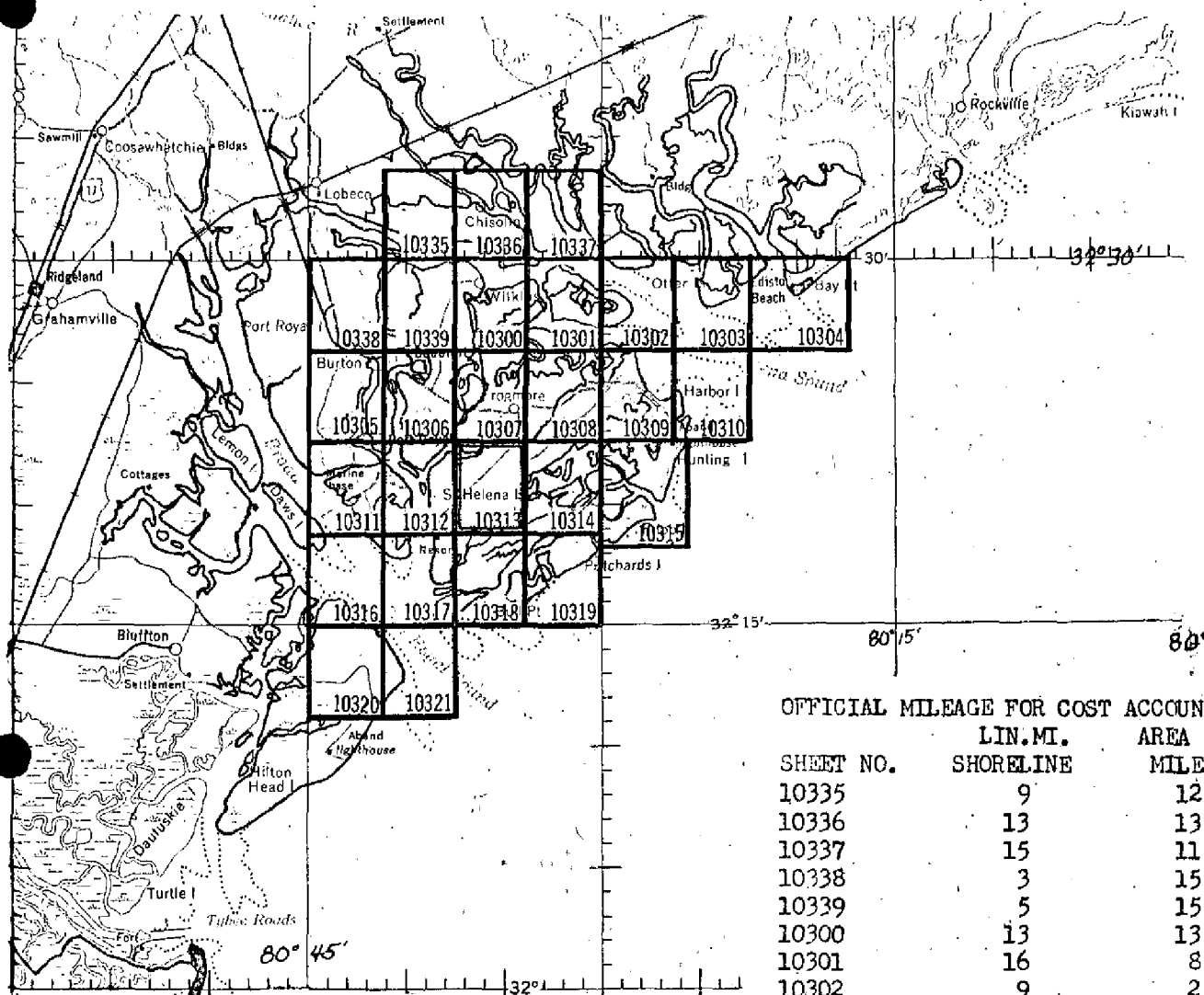
\* In addition, one new third-order station was established, but not identified.

\*\* In addition, two new tidal bench marks 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-10313

Please refer to the Field Inspection Report for Map  
T-10307 for all data pertaining to this map.

*Joseph K. Wilson*  
Joseph K. Wilson  
Cartographer

Approved &amp; Forwarded:

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

SCALE FACTOR

1 FT = 3048006 METER	DATE	CHECKED BY	DATE	COMM. DC. 5784
COMPUTED BY: A. W. Willis	5/16/56	J. Steinberg	5/23/56	



COMPILATION REPORT  
T-10313

The photogrammetric plot report of this area is a part of Descriptive Report, T-10307.

31. DELINEATION

The manuscript was delineated by graphic methods.

32. CONTROL

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

33. SUPPLEMENTAL DATA

An annotated A.M.S. Ft. Fremont, S. C. 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 along the more important, navigable waterways. The shoreline bordering mud flats in and around the more remote tributaries was delineated by office interpretation. Some generalization of shoreline was made necessary because of the indefinite and spotty character of the marsh. Low water lines were furnished in part by field data; the balance was office interpreted from low tide photographs.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Form 567 was previously submitted for one landmark. There are no aids to navigation.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made and are in agreement with:  
T-10307 to the north, T-10314 to the east,  
T-10318 to the south and T-10312 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. through 45.

Not applicable.

46. COMPARISON WITH EXISTING MAPS

A.M.S. Ft. Fremont, S. C. quadrangle, scale 1:50,000 published 1948.  
C&GS Air Photo Compilation, T-5188, Trenchards Inlet, scale 1:20,000  
photographs of 1933.

47. COMPARISON WITH NAUTICAL CHART

This map manuscript has been compared with Chart 571, scale 1:40,000  
published 10/9/36, revised 3/12/56 and corrected to 9/8/56.

Items to be applied to nautical chart immediately: None.  
Items to be carried forward: None.

Respectfully submitted  
20 February 1959

*Judson Y. Council*

Judson Y. Council  
Carto. Photo. Aid

Approved and forwarded

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

T-10313

48. GEOGRAPHIC NAME LIST

Beaufort County

Capers Creek

Club Bridge Creek

County Landing

Frogmore Cemetery

Intracoastal Waterway

Orange Grove Church

\* St. Phillips Island

Station Creek

Scott Creek

Sea Side Road

St. Helena Island

\* Trenchards Inlet

\*B.G.N. Decision

*George M. Bee*  
GEOGRAPHIC NAMES SECTION  
27 AUGUST 1959

4-2-59

PHOTOGRAMMETRIC OFFICE REVIEW

T-10313

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. Glaser Joseph Steinberg  
Reviewer 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:

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

**TO BE CHARTED  
FOR DELIVERY**

**STRIKE OUT ONE**

**Baltimore, Maryland**

## August

1956

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

The positions given have been checked after listing by **R. Glaser**

**E. H. Kirsch**

Chief of Party.

[illegible]

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.

Refer to Descriptive Report T-10306  
for a Review Report covering this manuscript.

Reviewed by

*A. H. Fugate*  
~~L. E. Fugate~~

Approved by

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

*G. B. Mast*  
~~G. B. Mast~~  
Chief, Coastal Survey  
Division

Asst. Chief, Operations Division

*L. F. Woodward*  
Asst. ~~L. F. Woodward~~, Chief  
Photogrammetry Division

*J. E. Wainwright* 11/27/61  
~~J. E. Wainwright~~  
Nautical Chart Division  
Office of Cartography

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-10313

### 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.