

# 10314

Diag. Cht. N<sup>o</sup>. 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-10314

### LOCALITY

State South Carolina

General locality St. Helena Island

Locality Story River

19 55

### 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

# 10314

DESCRIPTIVE REPORT - DATA RECORD

T-10314

Ph-154

Project No. (II): ~~6094~~ 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 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 (28) 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): BEND, 1933

Lat.: 32° 20' 10.531 (324.4 m)

Long.: 80° 32' 26.097 (682.5 m)

Adjusted

~~00000000~~

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): M. C. Moody  
J. S. Winter

Date: Sept. to Oct. 1955  
Sept. 1955

Planetable contouring by (II): \_\_\_\_\_

Date:

Completion Surveys by (II): \_\_\_\_\_

Date:

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

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

Date: 9/21/55

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

Date: 9/21/55

Control plotted by (III): Albert Queen

Date: 11/1/55

Control checked by (III): F. M. Wisiecki

Date: 11/1/55

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

Date: 9/4/56

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Date:

Date:

Manuscript delineated by (III): R. Glaser  
Ruth M. Whitson

Date: 9/18/58

Photogrammetric Office Review by (III): H. R. Rudolph

Date: 10/3/58

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

Date:

# DESCRIPTIVE REPORT - DATA RECORD

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

4

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
49410 to 49412	3/23/55	1543	1:10,000	1.7 above MLW
49319	"	1434	"	0.0 " "
52243	11/21/55	1047	"	5.4 " "

## Tide (III) From Predicted Tide Tables

Reference Station: Savannah River Entrance  
Subordinate Station: Club Bridge Creek Entrance  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	6.9	8.1
	6.8	8.0

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): 12  
Shoreline (More than 200 meters to opposite shore) (III): 22  
Shoreline (Less than 200 meters to opposite shore) (III): 28  
Control Leveling - Miles (II):  
Number of Triangulation Stations searched for (II): 4  
Number of BMs searched for (II): 3  
Number of Recoverable Photo Stations established (III): 2  
Number of Temporary Photo Hydro Stations established (III): None

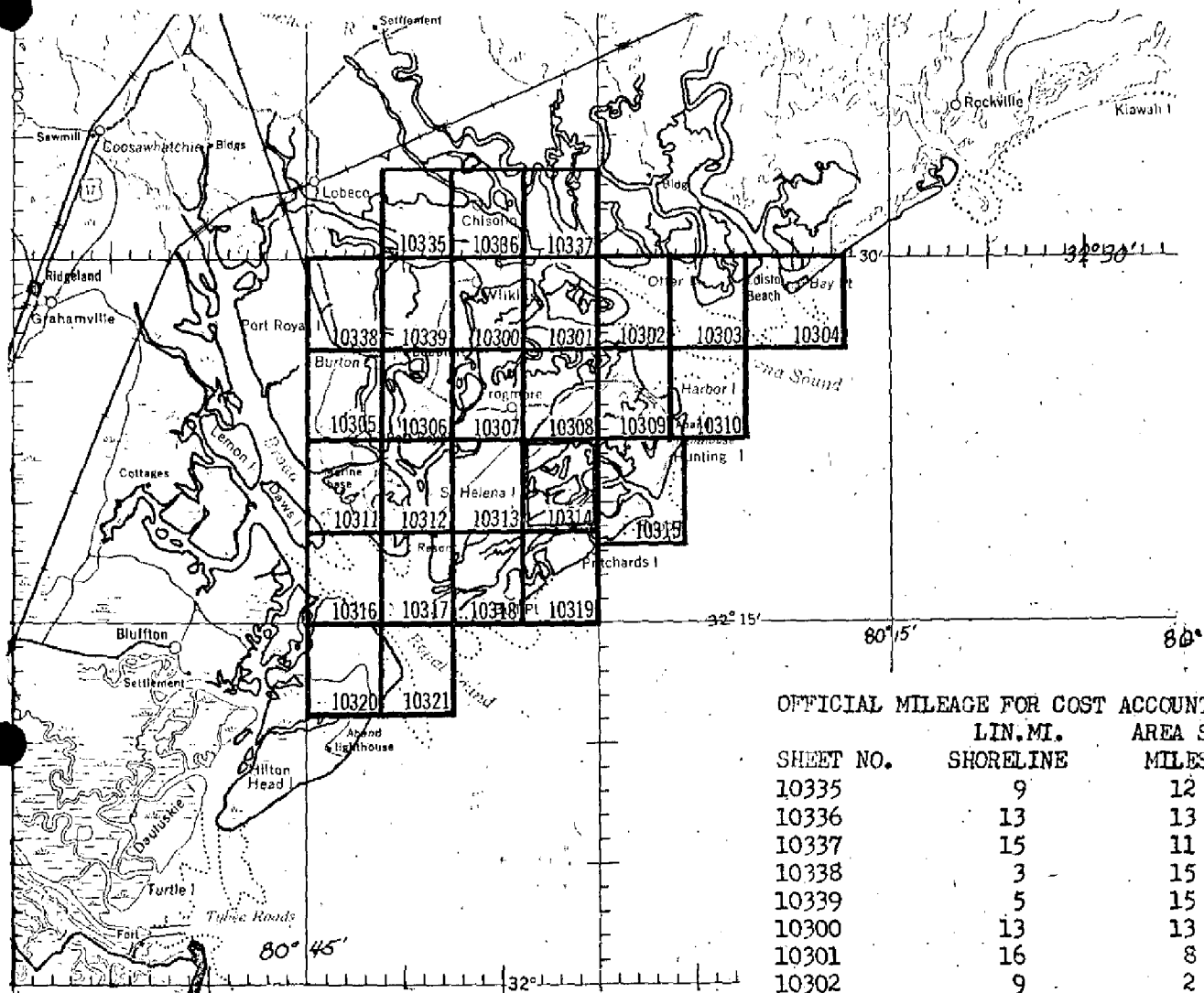
Recovered: 4 Identified: 2  
Recovered: 3 Identified: 1

Remarks:

# SHORELINE MAPPING PROJECT 6154

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

5



### OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET NO.	SHORELINE LIN. MI.	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-10314

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

17 NOV 1955

Approved &amp; Forwarded:

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

SCALE FACTOR

1 FT. = 3048006 METER COMPUTED BY: F. W. Wisiecki	DATE: 10/28/55	CHECKED BY: E. L. Williams	DATE: 10/28/55	COMM. DC-5784.
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COMPILATION REPORT  
T-10314

The Photogrammetric Plot Report is a part of Descriptive Report, T-10307.

31. DELINEATION

The map manuscript was delineated by graphic methods. Field inspection was considered adequate.

32. CONTROL

Horizontal control with reference to identification, density, and placement was considered adequate.

33. SUPPLEMENTAL DATA

An annotated copy of AMS, 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 low-water lines were based on field inspection supplemented by office interpretation of low-water photographs.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 were submitted in October 1955 for use in Hydrographic Surveys for two (2) Recoverable Topographic Stations:

CURT, 1955

BOAT, 1955

39. JUNCTIONS

Junctions have been made and are in agreement with Surveys T-10315 to the east, and T-10319 to the south, T-10308 to the north and T-10313 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 - 45. Not Applicable.

46. COMPARISON WITH EXISTING MAPS

This survey has been compared with AMS Quadrangle, Fort Fremont, S. C., scale 1:50,000, edition of 1944, revised to 1946; C&GS T-5188, Port Royal Sound, Trenchards Inlet, S. C., scale 1:20,000 from photographs dated 1933, and C&GS T-5187, St. Helena Sound, Harbor River, S. C., scale 1:20,000 from photographs dated 1933.

47. COMPARISON WITH NAUTICAL CHARTS

This survey has been compared with chart 793, scale 1:40,000, edition of 14 September 1937 corrected to 16 June 1956; and chart 571, scale 1:40,000, edition 9 October 1936, corrected to 18 August 1956.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted

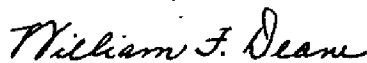
19 September 1958



Ruth M. Whitson

Carto. Photo. Aid

Approved and forwarded



William F. Deane,

CDR C&GS

Baltimore District Officer

48. GEOGRAPHIC NAME LIST

Beaufort County

Club Bridge Creek (1)

Edding Cemetery

Fripps Island

Harbor River

Intracoastal Waterway

Old House Creek

\* Pritchards Island

Sea Side Road (2)

Skull Creek

St. Helena Island

Story River

\* Trenchards Inlet (3)

- (1) Location of Club Bridge Creek on chart 571 is in disageement with location as indicated on the Geographic Names Standard. (Names Standard Correct)
- (2) The Field Inspection Party indicates on field photograph 49364- a disageement with the Geographic Names Standard in the spelling of Sea Side Road (ie. Seaside Road). Two words "Sea Side"
- (3) Descriptions of TBM (SC86) And Triangulation Station indicate spelling to be Trenchard Inlet (Trenchards Inlet) is correct)

\*B.G.N. Decision

*George D. Ball*  
GEOGRAPHIC NAMES SECTION  
28 AUGUST 1959

## PHOTOGRAMMETRIC OFFICE REVIEW

T-10314

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

## CONTROL STATIONS

4a. Classification label H.R.R.

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

## ALONGSHORE AREAS

(Nautical Chart Data)

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

## PHYSICAL FEATURES

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

## CULTURAL FEATURES

27. Roads H.R.R. 28. Buildings H.R.R. 29. Railroads        30. Other cultural features H.R.R.

## BOUNDARIES

31. Boundary lines        32. Public land lines

## MISCELLANEOUS

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

40. Harry R. Rudolph  
Reviewer

Joseph H. Humberg  
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:

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

Reviewed by

A. K. Haywood  
A. K. Haywood

Approved by

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

G. B. Mast  
G. B. Mast  
Asst. Chief, Operations Division

L. J. Woodcock  
Ass't. L. J. Woodcock, Chief  
Photogrammetry Division

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

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-10394

### 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.