

10310

Daig. Cht. Nos. 1239-2 and 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-10310

LOCALITY

State South Carolina

General locality St. Helena Sound

Locality Harbor Island

1955

CHIEF OF PARTY

J.E.Waugh, Photogrammetric Party 1
W.F.Deane, Balto. District Officer

LIBRARY & ARCHIVES

DATE May 11. 1961

USCOMM-DC 5087

10310

DATA RECORD

T - 10310

Project No. (II): ~~6854~~ Ph-154

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): 23 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): BOR, 1933 (west of survey)

Lat.: 32° 24' 18.102" (557.6 m) Long.: 80° 26' 44.937" (1174.3 m)

Adjusted
~~8400000~~

Plane Coordinates (IV):

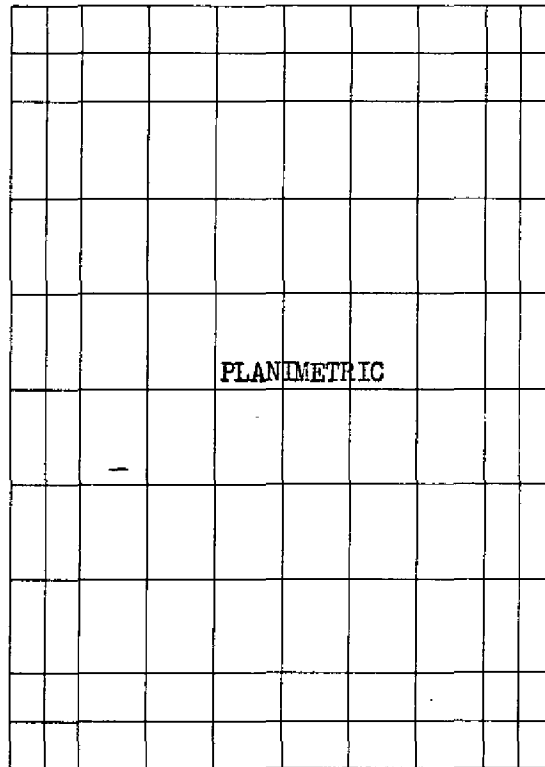
State: South Carolina Zone: South

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.



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

DATA RECORD

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Field Inspection by (II): M. C. Moody

Date: Sept. 1955

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): Plane table, 9/8/55 on Hunting Island Beach and Johnson River. November 1955, date of photography on Harbor Island.

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

Date: 8/19/55

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

Date: 8/19/55

Control plotted by (III):

Date:

Control checked by (III):

Date:

Radial Plot ~~and stereoscopic~~ extension by (III): E. L. Williams

Date: 11/8/55

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Date:

Date:

Manuscript delineated by (III): R. M. Whitson
J. A. Mooney

Date: 5/21/58

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

Date: 9/23/58

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

Date:

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

PHOTOGRAPHS (III)					Stage of Tide
Number	Date	Time	Scale		
49327, 49328	3/23/55	1445	1:10,000		0.2' above MLW
49406, 49407	"	1540	"		1.6' " "
52233, 52234	11/21/55	1033	"		5.2' " "

Tide (III)
From Predicted Tide Tables

Reference Station: Savannah River Entrance
Subordinate Station: Harbor River Entrance
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	6.9	8.1
	6.1	7.2

Washington Office Review by (IV):

Date: 2/2/60

Final-Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 1
Shoreline (More than 200 meters to opposite shore) (III): 2.8
Shoreline (Less than 200 meters to opposite shore) (III): 1.4
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 1
Number of BMs searched for (II):
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III):

Recovered: 0
Recovered:
Identified:
Identified:

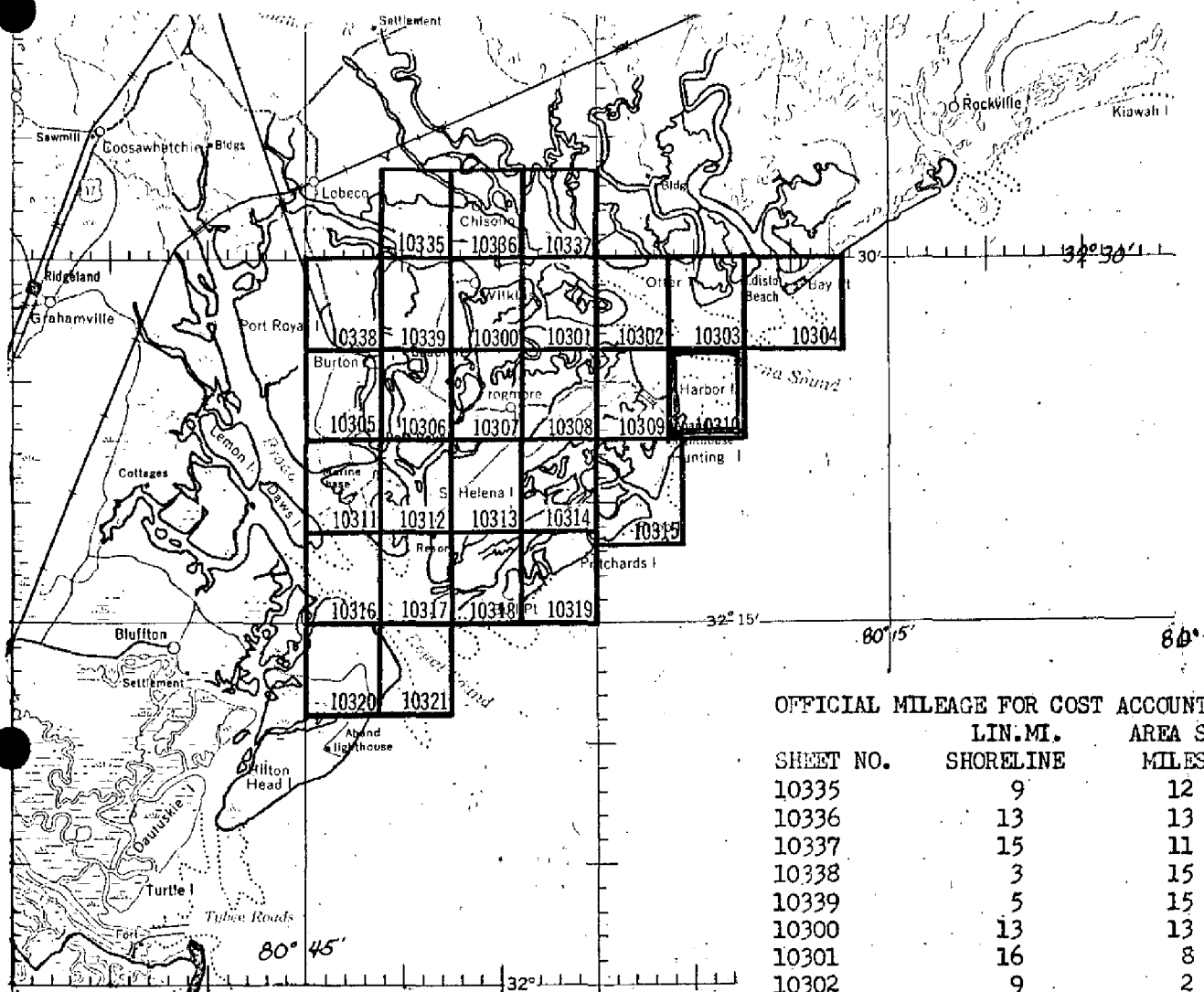
Remarks:

Number of Recoverable Topographic
Stations established: 1

SHORELINE MAPPING PROJECT 6154

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

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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-10310

Please refer to the Field Inspection Report for Map T-10315
for all data pertaining to this map.

10 OCT 1955

Joseph K. Wilson
Joseph K. Wilson
Cartographer

Approved & Forwarded: 10 OCT 1955

J. E. Waugh

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

DESCRIPTIVE REPORT
Survey T-10310

Photogrammetric Plot Report: See Descriptive Report, T-10315.

31. DELINEATION

The map manuscript was delineated by graphic methods.

Field inspection was adequate.

32. CONTROL

There are no triangulation stations within the limits of this survey.

33. SUPPLEMENTAL DATA

Geographic names were furnished on AMS, St. Helena Sound quadrangle.

34. CONTOURS AND DRAINAGE

Contours: Not applicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The high water line on Hunting Island was located by planetable during field inspection. The remainder of shoreline was delineated as field inspected on March 1955 nine-lens photographs, and revised in office from November 1955 photography. Most of the shoals and LWL were delineated as field inspected. The LWL on Egg Bank was delineated by office interpretation with photography taken at low tide. It disagrees with field inspection on photography at a higher stage of tide, but is believed to be a more accurate representation of the limits of areas of mud and sand at low water.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

One Form 524 has been submitted for MALE, 1955. It has been furnished to the hydrographic party and not listed under Item 49.

39. JUNCTIONS

Junctions have been made with T-10309 to the west and T-10315 to the south. There is a water area to the east and the junction with the limits of T-10303 to the north is an all water area.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 through 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

This survey has been compared with:

- (a) AMS St. Helena Sound quadrangle, dated 1948, scale 1:50,000.
- (b) T-5187, Harbor River, compiled from 1933 photography, scale 1:20,000.

47. COMPARISON WITH NAUTICAL CHARTS

This map manuscript has been compared with Chart 793, scale 1:40,000, edition of September 1937, revised 1/23/56.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
23 May 1958

Frank J. Tarcza
Frank J. Tarcza
Super. Carto. (Photo.)

Approved and Forwarded

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

48. GEOGRAPHIC NAME LIST

Atlantic Ocean

Beaufort County

Egg Bank

Johnson Creek

Harbor Island

Hunting Island

Hunting Island Beach

Hunting Island State Park

St. Helena Sound

George N. Ball
Geographic Names Section
2 September 1959

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10310

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

4a. Classification label H.R.R.

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy None 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) H.R.R. 7. Photo-hydro stations H.R.R. 8. Bench marks H.R.R. 9. Plotting of sextant fixes None 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 None 16. Aids to navigation None 17. Landmarks None 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 None 23. Stereoscopic instrument contours None 24. Contours in general None 25. Spot elevations None 26. Other physical features H.R.R.

CULTURAL FEATURES

27. Roads H.R.R. 28. Buildings H.R.R. 29. Railroads None 30. Other cultural features H.R.R.

BOUNDARIES

31. Boundary lines H.R.R. 32. Public land lines None

MISCELLANEOUS

33. Geographic names H.R.R. 34. Junctions H.R.R. 35. Legibility of the manuscript H.R.R. 36. Discrepancy overlay None 37. Descriptive Report H.R.R. 38. Field inspection photographs H.R.R. 39. Forms H.R.R. 40. Harry R. Rudolph Joseph Steinberg
Reviewer 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:

M-2623-12

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

Reviewed by

M. K. Kuroki
M. K. Kuroki

Approved by

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

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

J. Bowie 10/31/61
Chief, Coastal Surveys
Division

J. W. Vaughn
Chief, Chart Division

10/31/61

NAUTICAL CHARTS BRANCH

SURVEY NO. T-10310

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.