

# 10302

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-10302

### LOCALITY

State South Carolina

General locality St. Helena Sound

Locality Morgan Island

1955

### CHIEF OF PARTY

J.E.Waugh, Photo. Party No. 1

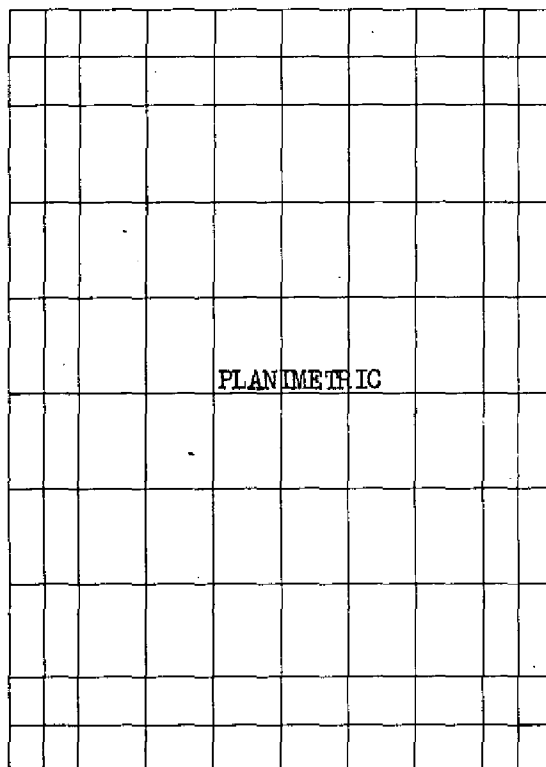
W.F.Deane, Balto. District Officer

### LIBRARY & ARCHIVES

DATE September 1961

COMM-DC 61300

# 10302



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

## DATA RECORD

Field Inspection by (II):  
 W. M. Reynolds  
 B. F. Lampton, Jr.  
 I. Y. Fitzgerald  
 L. F. Beugnet  
 J. S. Winter

Jan.-Feb. 1954  
 Feb. 1954  
 July 1955  
 Date: Sept. 1955  
 Aug.-Sept. 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 and field inspection.

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): B. F. Lampton

Date: 10/31/55

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

Date: 10/31/55

Radial Plot ~~in Stereo~~

Date: 10/8/55

~~Control extension~~ by (III): E. L. Williams

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): J. F. Phillips )  
 G. Stocks )

Date: 3/21/58

Photogrammetric Office Review by (III): R. Glaser

Date: 3/28/58

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

Date:

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

Number	Date	Time	Scale	Stage of Tide
49265	3/23/55	1354	1:10,000	-0.7
49358 thru 49360	"	1505	"	0.2
49398	"	1531	"	1.2

Tide (III)  
From Predicted Tables

Reference Station: Savannah River Entrance  
Subordinate Station: Combahee Bank  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
-	7.4	8.6
-	6.2	7.3

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): 3

Shoreline (More than 200 meters to opposite shore) (III): 7.5 mi.

Shoreline (Less than 200 meters to opposite shore) (III): 7.6 mi.

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 10

Recovered: 4

Identified: 4

Number of BMs searched for (II): 0

Recovered:

Identified:

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III): None

Remarks:

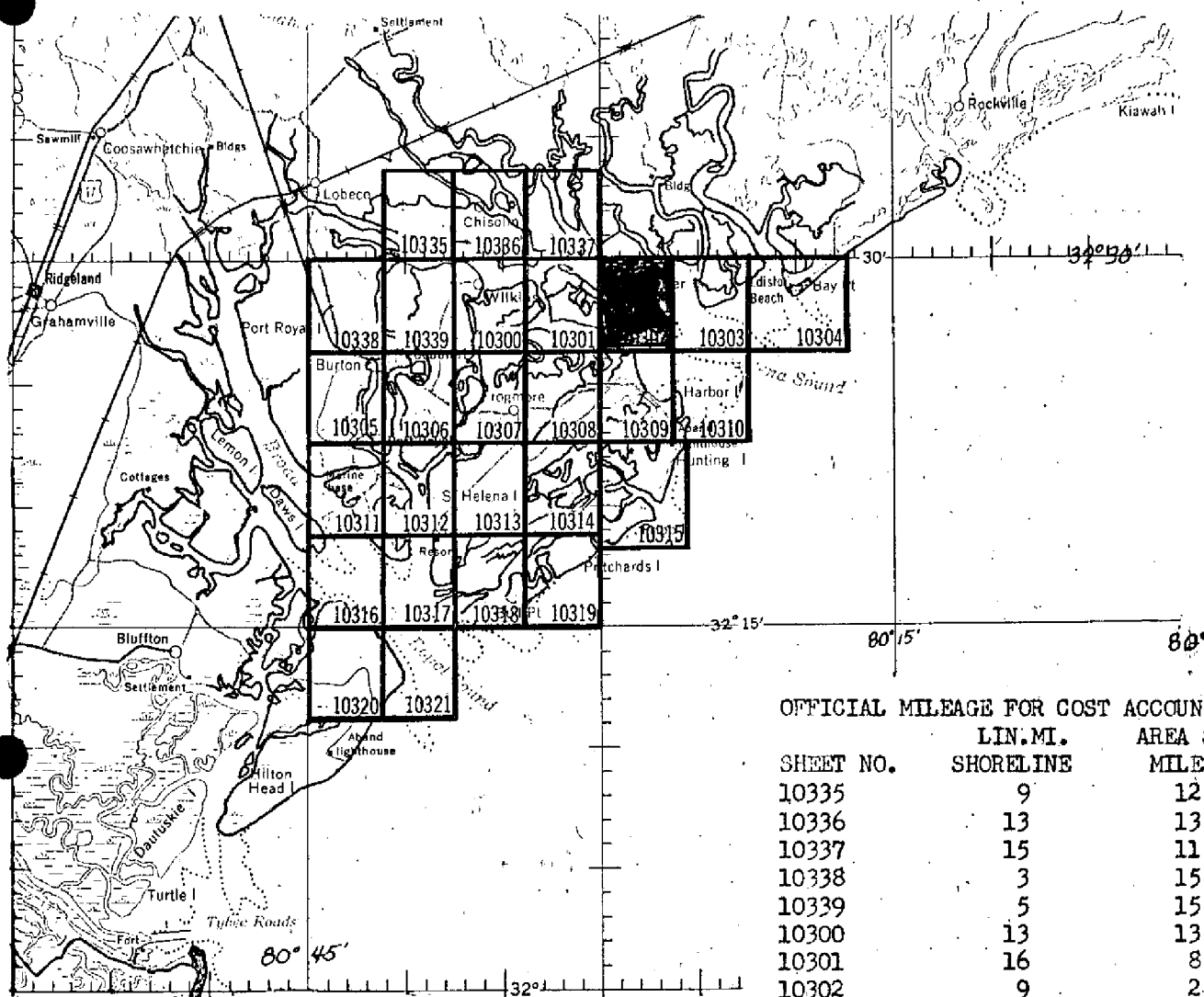
Number of third-order stations established: 1

Identified: 0

# 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-10302

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

113 OCT 1955

*Joseph K. Wilson*  
Joseph K. Wilson  
Cartographer

Approved &amp; Forwarded:

113 OCT 1955

*J. E. Waugh*  
J. E. Waugh

CDR, C &amp; GS

Chief of Party

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
DESCRIPTIVE REPORT  
CONTROL RECORD

MAP T. 10302 PROJECT NO. Ph-154 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $y$ -COORDINATE LONGITUDE OR $x$ -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION		N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
			°	'	°	'	FORWARD	(BACK)	FORWARD	(BACK)	FORWARD	(BACK)
HUTCHINSON 2 RM 2, 1933			32	29					1145.8	(402.4)		
			80	28					716.0	(850.4)		
CENTRAL, 1933	G-1672 p. 73		32	28	44.789				1379.6	(468.5)		
			80	29	50.985				1331.3	(235.4)		
Sub. Pt. CENTRAL, 1933			32	28					1424.5	(423.6)		
			80	29					1290.7	(276.0)		
Sub. Pt. RM 2 HUTCHINSON 2, 1933			32	29					1447.3	(400.9)		
			80	28					735.4	(831.0)		
PELICAN BANK DAYTON A 2, 1955	Field Comp.	N.A. 1927	32	26	51.575				1588.7	(259.5)		
			80	26	16.030				418.7	(1118.5)		
POD, 1934	G-2184 p. 182	"	32	28	16.25				500.5	(1347.7)		
			80	28	37.114				969.9	(596.9)		
Sub. Pt. MOR 3, 1933		"	32	27					1188.2	(660.0)		
			80	29					38.7	(1528.4)		
MOR 3, 1933	G-1669 p. 59	"	32	27	38.613				1189.4	(658.8)		
			80	29	00.972				25.6	(1544.5)		
Sub. Pt. COFFIN, 1933		"	32	26					1268.9	(579.3)		
			80	28					1325.9	(244.4)		
COFFIN, 1933	G-1669 p. 64	"	32	26	41.160				1267.9	(580.3)		
			80	28	50.425				1317.2	(250.1)		

1 FT. = 3048006 METER

COMPUTED BY: B. Kurs

DATE

8/31/55

CHECKED BY:

J. Steinberg

DATE

9/12/55

COMM-DC-57843

DESCRIPTIVE REPORT  
T-10302

Field Report: See Field Report for T-10315.

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

31. DELINEATION

The manuscript was delineated by graphic methods.

There was no field inspection covering the portion of Ashe Island that falls on this manuscript. This area was delineated by analogy with similar areas elsewhere on the survey.

32. CONTROL

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

33. SUPPLEMENTAL DATA

The A.M.S., St. Helena Sound quadrangle was furnished for geographic names.

34. CONTOURS AND DRAINAGE

Contours: Not applicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The high water line was delineated as field inspected (except on Ashe Island - see item 31). The approximate low water line was delineated from photographs taken at a lower stage of tide than were the photographs used by the field party. In most cases this line did not agree with the low water line as furnished by the field party, but it is believed to more accurately represent the outer limits of sand and mud at low water.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 have been submitted for two non-floating aids.



38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

To the north, T-11123(S) (Ph-81)  
To the east, T-10303  
To the west, T-10301  
To the south, T-10309

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 thru 45

Not applicable.

46. COMPARISON WITH EXISTING MAPS

The manuscript has been compared with:

- (a) A.M.S., St. Helena Sound quadrangle, scale 1:50,000, dated 1948.
- (b) T-5186, Hutchinson Island to New Chehaw River, scale 1:10,000, partially revised to 1936.
- (c) T-5206, Morgan Island, scale 1:10,000, compiled from photographs dated 1933.

47. COMPARISON WITH NAUTICAL CHARTS

The manuscript has been compared with Chart 1240, scale 1:80,000, published 1939, and corrected to July 1955.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Approved and Forwarded

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

Respectfully submitted  
27 March 1958

*Raymond Glaser*  
Raymond Glaser  
Carto. (Photo.)

48. GEOGRAPHIC NAME LIST

Ashe Island

Beaufort County

Colleton County

Coffin Creek

Marsh Island Spit

Morgan Back Creeks

Morgan Island

Morgan River

St. Helena Island

St. Helena Sound

*George M. Bace*  
Geographic Names Section  
2 September 1959

3-28-58

PHOTOGRAMMETRIC OFFICE REVIEW

T-10302

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

CONTROL STATIONS

1a. 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. Glasen 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:

**STRIKE OUT ONE**

Baltimore, Maryland

**NONFLOATING AIDS OR FLOWERS FOR CHARITY**

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

The positions given have been checked after listing by R. Claser

E. H. Kirsch	Chief of Party.
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[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 survey sheets. Information under each column heading should be given.

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

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-10302

### Record of Application to Charts

[illegible]

M-2158-7

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.

Reviewed by

A. K. Heywood  
A. K. Heywood

Approved by

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

Asst. Chief,

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

J. Bowie  
Chief, Coastal Surveys  
Division

J. E. Hughes  
Chief, Chart Division

10/31/61

# DATA RECORD

T-10302

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: 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):  
Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):  
Applied to Chart No. Date: Date registered (IV): 19 Feb 1960  
Publication Scale (IV): Publication date (IV):  
Geographic Datum (III): NA 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): CENTRAL, 1933  
Lat.: 32° 28' 44.789" (1379.6m) Long.: 80° 29' 50.985" (1331.3m) Adjusted  
~~1000000000~~  
Plane Coordinates (IV): State: S. 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.