

10320

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-10320

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

10320

DESCRIPTIVE REPORT - DATA RECORD

T-10320

Project No. (II): **Ph-154**
BAW 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 & 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): **GRAVE, 1931**

Lat.: **32° 14' 48.462" (1492.7 m)** Long.: **80° 44' 46.181" (1208.9 m)** Adjusted
~~Unadjusted~~

Plane Coordinates (IV): State: **South** Zone: **South**
Carolina

Y= X=

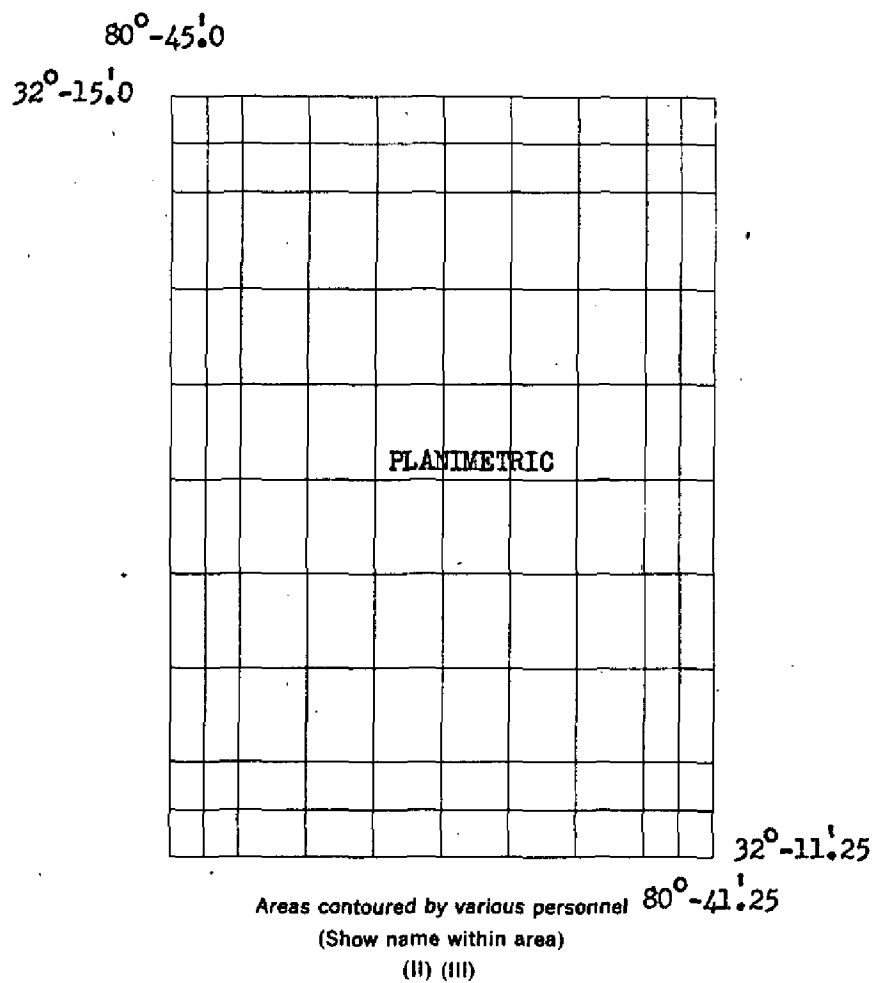
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

FORM 181a
(4-23-54)

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY



DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Leo F. Beugnet
John S. Winter

Date: Nov., 1955
Nov., 1955

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): Nov. 1955 field inspection on March 1955 photographs - except at mouth of Folly Creek which is 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: 5/17/56

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

Date: 5/18/56

Radial Plot ~~and Stereoscopic~~ L. A. Senasack
~~Orthorectification~~ by (III):

Date: 9/4/56

Planimetry
Stereoscopic Instrument compilation (III):
Contours

Date:

Date:

Manuscript delineated by (III): L. A. Senasack
B. Wilson

Date: 2/16/59

Photogrammetric Office Review by (III): R. Glaser

Date: 2/26/59

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
49385 and 86	3/23/55	1525	1:10,000	0.7' above MLW
49371 thru 73	"	1514	"	0.4' " "
49418 and 19	"	1550	"	2.1' " "
52253 and 52254	11/21/55	1102	"	6.1' " "

Tide (III) From Predicted Tables

Reference Station: SAVANNAH RIVER ENTRANCE
Subordinate Station: SKULL CR., N. ENTRANCE
Subordinate Station: HILTON HEAD

Ratio of Ranges	Mean Range	Spring Range
	6.9	8.1
	7.0	8.3
	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): 14

Shoreline (More than 200 meters to opposite shore) (III): 8 mi.

Shoreline (Less than 200 meters to opposite shore) (III): 6 mi.

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):	20	Recovered:	11	Identified:	5
Number of BMs searched for (II):	None	Recovered:	None	Identified:	None

Number of Recoverable Photo Stations established (III): 3

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

Remarks:

7

FIELD INSPECTION REPORT

Project 6154

Map T-10320

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 5 JAN 1956

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

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

MAP T 10320

PROJECT NO. Ph-154

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
GRAVE, 1931	G-1819 p. 113	N.A. 1927	32 14 48.462 80 44 46.181				1192.7 (355.4) 1208.9 (361.8)		
Sub. Pt. GRAVE		"	32 14 80 44				1526.6 (321.5) 1181.7 (389.0)		
STONEV PLANTATION BAPTIST CHURCH, 1931	G-1819 p. 117	"	32 14 02.095 80 44 46.987				64.5 (1783.6) 1230.2 (340.7)		
MACK, 1931	G-1819 p. 116	"	32 14 17.374 80 46 59.127				535.2 (1312.9) 1548.0 (22.8)		
Sub. Pt. MACK		"	32 14 80 46				515.8 (1332.3) 1522.8 (48.0)		
GRAHAM 2, 1931	G-1819 p. 112	"	32 13 15.861 80 45 33.766				488.6 (1359.5) 884.2 (686.9)		
Sub. Pt. GRAHAM 2	Computed	"	32 13 80 45				505.3 (1342.8) 877.0 (694.1)		
MAY, 1931	G-1819 p. 112	"	32 11 10.976 80 47 30.357				338.1 (1510.0) 795.2 (776.5)		
Sub. Pt. MAY		"	32 11 80 47				314.0 (1534.1) 809.4 (762.3)		1 8
HILTON HEAD REAR RANGE LIGHTHOUSE, 1900	Field Comp. Form 738	"	120,505.49 2,080,387.27	505.49 387.27	(4494.51) (4612.73)		154.1 (1369.9) 118.0 (1406.0)		1 1
COAT, 1955	Field Compu- tation	"	119,228.09 2,086,169.11	4228.09 1169.11	(771.91) (3830.89)		1288.7 (235.3) 356.3 (1167.7)		

1 FT. = 3048006 METER
COMPUTED BY: A. W. Willis

DATE 5/4/56

CHECKED BY: L. A. Senasack

DATE 5/15/56

COMM-DC-5784

COMPILATION REPORT

T-10320

See Descriptive Report for T-10307 for photogrammetric plot report.

31. DELINEATION

Graphic methods were used to delineate this manuscript.

In a number of places on the manuscript swamp and marsh areas were delineated somewhat differently than field inspected due to the use of later photographs and/or minor changes in interpretation.

32. CONTROL

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

33. SUPPLEMENTAL DATA

An annotated copy of the A.M.S. Hilton Head, S. C. quadrangle, scale 1:50,000, published 1948-49, was used for geographic names.

34. CONTOURS AND DRAINAGE

Contours: Not applicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate.

Low-water line inspection was furnished along Skull Creek and in Port Royal Sound. The low-water line along the Atlantic Ocean and in Broad Creek was office interpreted from low-water photographs.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 for one landmark (S.W. of project limits) and two aids to navigation have been previously submitted.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 for three recoverable topographic stations are herewith submitted. One of these stations COAT, 1955 falls to the south of the project limits.

These stations are listed in item 49, "Notes to the Hydrographer".

39. JUNCTIONS

Junctions have been made and are in agreement with:
T-10316 to the north,
T-10321 to the east.

*There are no contemporary surveys to the south or west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

*PROJECT #1162 BOUNDS THIS MANUSCRIPT.
AT TIME OF REVIEW THE COMPILATION OF
#1162 HAD NOT BEEN ASSIGNED
8/26/59 AGH

41. thru 45

Not applicable.

46. COMPARISON WITH EXISTING MAPS

1. A.M.S. Hilton Head, S. C. quadrangle, scale 1:50,000, published 1948-49.
2. C&GS Air Photo Compilation T-5135, Hilton Head Island, scale 1:20,000 from photographs of 1933.
3. C&GS Air Photo Compilation T-5211, Skull Creek, scale 1:10,000, from photographs of 1933.

47. COMPARISON WITH NAUTICAL CHARTS

The manuscript has been compared with chart 571, scale 1:40,000, published 10/9/36, revised 3/12/56 and corrected to 8/18/56.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
27 February 1959

R. Glaser

R. Glaser
Carto. (Photo.)

Approved and forwarded

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

T-10320

48. GEOGRAPHIC NAME LIST

Atlantic Ocean

Beaufort County
Broad Creek

Central Oak Grove Church

Drayton Cemetery

First African Church

Hilton Head Elementary School
Hilton Head High School
Hilton Head Island
Honey Horn Plantation
Honey Horn Plantation Elementary School
Honey Horn Plantation Church

Intracoastal Waterway

Jarvis Creek

Mt. Calvary Church

Port Royal Sound

Queen Chapel Church

St. James Church
Skull Creek

Talbert Cemetery
The Folly

George M. Bale
GEOGRAPHIC NAMES SECTION
28 AUGUST 1959

2-27-59

50-
PHOTOGRAMMETRIC OFFICE REVIEW

T-10320

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
Reviewer

Joseph Steinberg
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:

NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

STRIKE OUT ONE

Photogrammetric Party 1 11 January 1956

The positions given have been checked after listing by J. E. W.

/s/ J. E. Waugh

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.

*** TABULATE SECONDS AND METERS**

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED

TO BE CHARTED
TOY BE/ME/ET/EN
STRIKE OUT ONE

Baltimore, Maryland

1 October 1957

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

The positions given have been checked after listing by

F. J. Tarcza

A. F. Deane

Chief of Party.

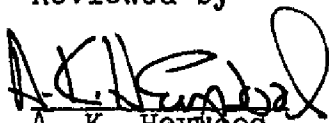
[illegible]

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.

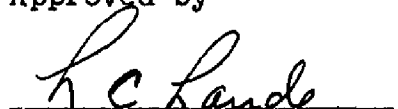
***TABULATE SECONDS AND METERS**

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

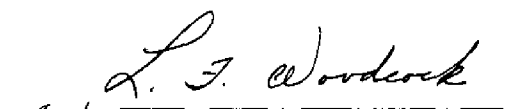
Reviewed by

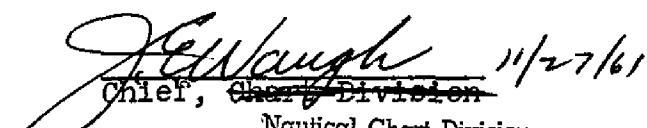

A. K. Heywood

Approved by


L. C. Lande
Chief, Review Section


Chief, Coastal Surveys
Division


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

 11/27/61
Chief, ~~Chart~~ Division
Nautical Chart Division
Office of Cartography

NAUTICAL CHARTS BRANCH

SURVEY NO. T-10320

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.