
Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-154 Office No. T-10321

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
DESCRIPTIVE REPORT - DATA RECORD

T = 10321

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: W. 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 (H) refer to mean high water
Elevations shown as (h) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): WAL 4, 1955

Lat.: 32° 14' 06.610" (203.6 m)

Long.: 80° 40' 39.938" (1045.6 m)

Adjusted

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 80°-37.5

(Show name within area)

(II) (III)
DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): John S. Winter  Date: Oct., Nov., 1955

Planetable contouring by (II):

Completion Surveys by (II):


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: 5/18/56

Control checked by (III): E. L. Williams  Date: 5/18/56

Radial Plot

Contouring

by (III):

Leroy A. Senasack  Date: 9/4/56

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): L. A. Senasack  Date: 1/27/59
R. M. Whitson

Photogrammetric Office Review by (III): R. Glaser  Date: 3/3/59

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


DESCRIPTIVE REPORT - DATA RECORD

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

PHOTOGRAPHS (III)

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<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<tbody>
<tr>
<td>49416-17-18</td>
<td>3/23/55</td>
<td>15:48</td>
<td>1:10,000</td>
<td>2.1' above MLW</td>
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<tr>
<td>52252</td>
<td>11/21/55</td>
<td>11:02</td>
<td></td>
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Tide (III)

From Predicted Tables

<table>
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<tr>
<th>Reference Station: Savannah River Entrance</th>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
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<tr>
<td>Subordinate Station: Hilton Head</td>
<td>6.9</td>
<td>8.8</td>
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<tr>
<td></td>
<td>6.6</td>
<td>7.8</td>
<td></td>
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</table>

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 2
Shoreline (More than 200 meters to opposite shore) (III): 4 mi.
Shoreline (Less than 200 meters to opposite shore) (III): 1 mi.

Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): * 3
Recovered: None
Identified: 2

Number of BMs searched for (II):

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

* In addition, two marked third-order stations were established, one was identified; one unmarked third-order station was established and identified.
SHORELINE MAPPING PROJECT 6154
ST. HELENA SOUND TO PORT ROYAL SOUND; S. CAROLINA

OFFICIAL MILEAGE FOR COST ACCOUNTS

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<th>SHEET NO.</th>
<th>SHORELINE</th>
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TOTALS 250  259
FIELD INSPECTION REPORT
Project 6154
Map T-10321

Please refer to the Field Inspection Report for Map T-10316 for all data pertaining to this map.

5 JAN 1958

Isaiah Y. Fitzgerald
Photogrammetric Engineer

Approved & Forwarded:
15 JAN 1958

J. R. Waugh
CDR, C & GS
Chief of Party
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>LONGITUDE OR X-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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<tr>
<td>Hilton Head B</td>
<td>Field Computation</td>
<td>N.A. 1927</td>
<td>32 13</td>
<td>21 374</td>
<td>658.4 (1189.8)</td>
<td>403.9 (1167.2)</td>
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<tr>
<td>(USE) 1955</td>
<td></td>
<td></td>
<td>60 40</td>
<td>15.424</td>
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<td>Wal 4, 1955</td>
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<td></td>
<td>32 14</td>
<td>06.610</td>
<td>203.6 (1611.5)</td>
<td>1045.6 (575.3)</td>
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<td>Sub. Pt.</td>
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<td>80 40</td>
<td>39 938</td>
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<td>Wal 4</td>
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<tr>
<td>Sub. Pt.</td>
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<td>32 13</td>
<td>0</td>
<td>1029.0 (541.9)</td>
<td>497.3 (1350.8)</td>
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<td>Ton 2, 1955</td>
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<td></td>
<td>80 40</td>
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1 FT = 0.3048006 METER

COMPUTED BY: A. W. WILLIAMS  DATE: 5/7/56  CHECKED BY: E. L. WILLIAMS  DATE: 5/17/56
PHOTOGRAFMETRIC PLOT REPORT is a part of Descriptive Report for T-10307.

31. **DELINEATION**

   The manuscript was compiled by graphic methods.

   The shoreline inspection was considered adequate.

32. **CONTROL**

   Identification, density and placement of horizontal control is considered to be adequate.

33. **SUPPLEMENTAL DATA**

   An annotated copy of A.M.S. Hilton Head, South Carolina quadrangle was used for geographic names.

34. **CONTOURS AND DRAINAGE**

   Contours: Inapplicable.

   Drainage: No comment.

35. **SHORELINE AND ALOONGSHORE DETAILS**

   The November 1955 photographs were office interpreted and used to correct the earlier field inspection where such changes were deemed necessary.

   Low-water and shoal lines were based on data furnished by the field party.

36. **OFFSHORE DETAILS**

   See item 49, "Notes for the hydrographer".

37. **LANDMARKS AND AIDS**

   Form 567 has been previously submitted for one landmark.

   There are no Aids to Navigation within the limits of this survey.
38. **CONTROL FOR FUTURE SURVEYS**

None.

39. **JUNCTIONS**

Junctions have been made and are in agreement with T-10317 to the north and T-10320 to the west. All water areas are to the east and to the south.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No comment.

41 through 45

Not applicable.

46. **COMPARISON WITH EXISTING MAPS**

A.M.S. quadrangle, Hilton Head, South Carolina, scale 1:50,000, edition of 1948 – 49.

C&GS Air Photo Compilation T-5135, Hilton Head Island, scale 1:20,000, from photographs of 1933.

47. **COMPARISON WITH NAUTICAL CHARTS**

Chart 571, scale 1:40,000 published October 1936, revised to March 1956, and corrected to August 1956.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
29 January 1959

[Signature]
Ruth M. Whitson
Carto. Photo. Aid

Approved and forwarded

[Signature]
William F. Deane
CDR, C&GS
Baltimore District Officer
48. GEOGRAPHIC NAME LIST

Atlantic Ocean
Beaufort County
Fishing Rip
Fort Wagner (ruins)
Hilton Head
Hilton Head Island
Joiner Bank
Port Royal Sound

*B.G.N. Decision

George M. Bee
Geographic Names Section
21 August 1959
PHOTOGRAMMETRIC OFFICE REVIEW
T. 10321

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

CONTROL STATIONS
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 alongshore cultural features _

PHYSICAL FEATURES
20. Water features _
21. Natural ground cover _
22. Planetary 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. 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:

COMM-DC 34529
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by

\[ \text{J.E. Waugh} \]

<table>
<thead>
<tr>
<th>STATE</th>
<th>SOUTH CAROLINA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>TOWER</td>
<td>Skeleton Steel Survey, ht = 60 ft (71)</td>
</tr>
<tr>
<td></td>
<td>HILTON HEAD B (USE) 1955</td>
</tr>
</tbody>
</table>

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-1036 for a Review Report covering this manuscript.
Reviewed by

A. K. Heywood

Approved by

L. C. Lande
Chief, Review Section

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

G. L. Nast
Chief, Coastal Surveys Division

Chief, Chart Division
Asst. Chief, Operations Division

Office of Cartography

11/27/61
### Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<tr>
<td>10-66</td>
<td>571</td>
<td>H.J. Keeler (N. Johnson)</td>
<td>Before After Verification and Review <strong>Fully Applied</strong></td>
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</table>

### Notes

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.