**Diag. Cht. No. 1239-2.**

**Form 604**  
**U. S. DEPARTMENT OF COMMERCE**  
**COAST AND GEODETIC SURVEY**

**DESCRIPTIVE REPORT**

<table>
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<th>Type of Survey</th>
<th>Planimetric</th>
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<tbody>
<tr>
<td>Field No.</td>
<td>6126</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-11309</td>
</tr>
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**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>South Carolina</th>
</tr>
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<tbody>
<tr>
<td>General locality</td>
<td>Charleston County</td>
</tr>
<tr>
<td>Locality</td>
<td>Johns Island</td>
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</tbody>
</table>

**1956**

**CHIEF OF PARTY**

Ira R. Rubottom, Chief of Party  
V. Ralph Sobiersalski, O-in-C., Portland

**PHOTOMETRIC OFFICE**

**LIBRARY & ARCHIVES**

**DATE**  
MAY 23, 1958
DESCRIPTIVE REPORT - DATA RECORD

T - 11309

Project No. (II): 6126 Quadrangle Name (IV): JOHNS ISLAND

Photogrammetric Office (III): Portland, Oregon Officer-in-Charge: V. Ralph Sobieralski

Instructions dated (II) (III): 13 December 1955
Amendment dated: 20 March 1956
Portland Office assignment Letter 73-mkl, dated 2 August 1956

Method of Compilation (III): Graphic
Manuscript Scale (III): 1:10,000
Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV): Oct 30, 1957
Data reported to Nautical Chart Branch (IV): Data registered (IV): Mar 3, 1958

Applied to Chart No. Date: Publication Scale (IV):
Publication date (IV):

Geographic Datum (III): N.A. 1927 Vertical Datum (III):
Mean sea level except as follows: X
Elevations shown as (2) refer to mean high water
Elevations shown as (0) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): BRYAN, 1933

Lat.: 32° 38' 30.589" 942.3m (906,0m) Adj usted X
Long.: 80° 05' 01.904" 49.6m (1514.2m) Unadjusted X

Plane Coordinates (IV): State: Zone:

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)
DESCRIPTIVE REPORT - DATA RECORD

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

Date: Jan., 1956
Feb., 1956
Feb., 1956

Planetary contouring by (II):

Completion Surveys by (II):

Mean High Water Location (III) (State date and method of location): From field inspection of March 1956 made on 9-lens photographs of March 1955, supplemented by office examination and refinement.

Projection and Grids ruled by (IV): A. Rilzy
Projection and Grids checked by (IV): A. Rilzy
Control plotted by (III): LTJG Clinton D. Upham

Date: 12/21/55
Date: 1/3/56
Date: 10/12/56

Control checked by (III): J. L. Harris

Date: 10/13/56

Radial Plot or Stereoscopic Control extension by (III):
J. L. Harris

Date: 1/21/57

Planimetry

Stereoscopic Instrument compilation (III):
Contours

Date:

Manuscript delineated by (III): D. N. Williams (Rough Draft)
D. N. Williams (Scribing)
J. L. Harris (Stick-up)

Date: 2/15/57
Date: 3/22/57
Date: 5/29/57

Photogrammetric Office Review by (III): J. E. Deal

Date: 7/22/57

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

Date:
DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS 9-lens - 8.25 inches focal length

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<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<td>13:42</td>
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<tr>
<td>49301 thru 49303</td>
<td>3/23/55</td>
<td>14:22</td>
<td>1:10,000</td>
<td>0.3 ft. below M.L.W.</td>
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</table>

Tide (III): From Table of Predicted Tides

Reference Station: Charleston, S. C.
Subordinate Station: Dawho River Entrance
Subordinate Station: Rockville, Bohicket Creek

Washington Office Review by (IV): [Signature]
Final Drafting by (IV):
Drafting verified for reproduction by (IV):
Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 15
Shoreline (More than 200 meters to opposite shore) (III): 3.0
Shoreline (Less than 200 meters to opposite shore) (III): 7.0
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 2
Number of BMs searched for (II):
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

Ratio of Ranges | Mean Range | Spring Range
--- | --- | ---
5.1 | 6.0
6.1 | 7.2
5.8 | 6.8

Date: Feb 1958

COMDC DC-57842
FIELD INSPECTION REPORT

Project Ph-126

Map Manuscript T-11309

Refer to Field Inspection Report, Project 6126, map manuscripts T-11306 to T-11315 inclusive, year 1956, Ira R. Rubottom, Chief of Party.
PHOTOGRAMMETRIC PLOT REPORT

Map Manuscripts No'd. T-11309, T-11310

and T-11313 thru T-11315

Project Ph-126

21. Area Covered:

This photogrammetric plot covers a land area approximately seven miles wide adjacent to the South Carolina Coastline from the Stono River Inlet to the Kiawah River. It comprises Map Manuscripts T-11309, T-11310 and T-11313 thru T-11315.

22. Method:

Methods described in the Photogrammetric Plot Report for T-11306 thru T-11308, T-11311 and T-11312 which is included in the Descriptive Report for T-11306 are applicable to this photogrammetric plot.

All identified horizontal control stations were held and excellent locations were obtained for the photogrammetric points selected for resection.

23. Adequacy of Control:

The identification and density of horizontal control stations were adequate.

24. Supplemental Data:

The Baltimore District Office furnished a control extension they had finished in Project Ph-81 adjoining Project Ph-126 on the west. An excellent junction was completed with this work.

25. Photography:

The photography was adequate as to coverage, overlap and definition.

Approved:

Ralph Sobiersalski

V. Ralph Sobiersalski

LCSR C&G Survey

Officer-in-Charge

Respectfully submitted:

J. Edward Deal

J. Edward Deal

Cartographer

C&GS
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<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
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<th>LONGITUDE OR X-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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1 FT. = 3048008 METER

COMPUTED BY: J.L.H.  DATE: 12/10/56  CHECKED BY: J.E.D.  DATE: 12/11/56
COMPILATION REPORT
Map Manuscript T-11309
Project Ph-126

31. Delineation:
Remarks contained in Paragraph 31, "Delineation" of the Compilation Report for T-11306 are applicable to T-11309.

32. Control:
Horizontal control was adequate.

Paragraphs 33 thru 36:
Remarks contained in these paragraphs of the Compilation Report for T-11306 are applicable to T-11309.

37. Landmarks and Aids:
None.

38. Control for Future Surveys:
None.

39. Junctions:
A satisfactory junction was made on the West with T-11122 S Project Ph-81 which was compiled in Baltimore, on the East with T-11310 and on the South with T-11313. There is no contemporary survey to the North.
40. Horizontal and Vertical Accuracy:

46. Comparison with Existing Maps:

Comparison was made with Army Map Service, Legareville, S. C. 7½ minute quadrangle, Scale, 1:25,000, published 1943 (1st edition).

Comparison was made with C&GS Air Photo Compilation T-5154 of 1933, Scale, 1:20,000.

47. Comparison with Nautical Charts:

Comparison was made with Nautical Chart No. 792, Scale, 1:40,000, published June 1941 (2nd edition), last corrected 6/27/55.

"Items to be applied to nautical charts immediately"

None

"Items to be carried forward"

None

Approved:

V. Ralph Sobieralski
LCDR C&GS Survey
Officer-in-Charge

Respectfully submitted:

J. Edward Deal
Cartographer
C&GS
T-11309, Geographic Names.

Abbaqula Creek

Bohicket Creek
Bohicket Road
Bryans Creek

Calvary Church
Chaplin Creek
Charleston County

Johns Island
Johns Island Church and Cemetery

Kiaiah Island
Kiaiah River

Mullet Hall

River Road

St. James Church and Cemetery
South Carolina

Wadmalaw Island (not Wadmalaw—a BGN decision)

Names approved 12-6-57
L. Heck. UH.
49. Notes to the Hydrographer:

None.
PHOTOGRAMMETRIC OFFICE REVIEW
T-11309


CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy X 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) None 7. Photo hydro stations None 8. Bench marks None

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines None 32. Public land lines None

MISCELLANEOUS

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:
62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

<p>| | | | | | | |</p>
<table>
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These manuscripts supersede all the above surveys in common areas as source material for charts.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

James Island 1:25,000 AMS
The Jetties
Legareville
Kiawah Island

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None

65. COMPARISON WITH NAUTICAL CHARTS

792 1:40,000 2nd Ed. 1941 Revised 9/9/57
491 1:20,000 1st Ed. 1936 Revised 1/21/57

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

These maps comply with instructions and meet the National Standards of Map Accuracy.

They are of adequate accuracy for use as a base for future hydrographic surveys.

Pertinent comments applicable to each survey follows:

2-11306

Attention is directed to Item 47 for investigation by future hydrographic surveys.

The overhead power cable over Simpson Creek was not verified by field inspection.
REVIEW REPORT T-11306 thru T-11315
PLANEIMETRIC
12 February 1958

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

<p>| | | | | |</p>
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These manuscripts supersede all the above surveys in common areas as source material for charts.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

James Island 1:25,000 AMS
The Jetties
Legareville
Kiawah Island

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None

65. COMPARISON WITH NAUTICAL CHARTS

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
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<td>792</td>
<td>1:40,000</td>
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</table>

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

These maps comply with instructions and meet the National Standards of Map Accuracy.

They are of adequate accuracy for use as a base for future hydrographic surveys.

Pertinent comments applicable to each survey follows:

T-11306

Attention is directed to Item 47 for investigation by future hydrographic surveys.

The overhead power cable over Simpson Creek was not verified by field inspection.
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS CONTINUED

**T-11107**

Refer to Item 4 and 47 of the Compilation Report.

**T-11108**

It is recommended that the positions of the north and south jetties be checked by the hydrographer. Refer to Item 25 of the Plot Report and Item 31 of the Compilation Report.

**T-11111**

Several Differences exist in clearances between the manuscript and the chart.

<table>
<thead>
<tr>
<th>Location</th>
<th>Feature</th>
<th>Chart</th>
<th>Manuscript</th>
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<tr>
<td>East of Peas Island</td>
<td>OURD CAB</td>
<td>48'</td>
<td>59'</td>
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<td>Polly Beach Aer. Pol.</td>
<td>Fixed Bridge Vt. el.10'</td>
<td>11'</td>
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<td>Horiz. el. 57'</td>
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<td>Oak Island Cr.</td>
<td>Fixed Bridge Vt. el. 3'</td>
<td>Skiff cl.</td>
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<td></td>
<td>Horiz. el. 28'</td>
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</table>

Reviewed by

H. K. Heywood

A. X. Heywood

Approved

L. C. Lande

Chief, Review Branch
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

J. P. Bull

Chief, Photogrammetry Division

Chief, Coastal Surveys Division
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS CONTINUED

T-11/07

Refer to Items 4 and 47 of the Compilation Report.

T-11/08

It is recommended that the positions of the north and south jetties be checked by the hydrographer. Refer to Item 25 of the Plot Report and Item 31 of the Compilation Report.

T-11/11

Several differences exist in clearances between the manuscript and the chart.

<table>
<thead>
<tr>
<th>Location</th>
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<tr>
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<td>Fixed Bridge Vertical 10°</td>
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Reviewed by

A. K. Heywood

Approved

L. C. Landry

Chief, Review Branch
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry
Division

Chief, Coastal Surveys Division
NAUTICAL CHARTS BRANCH

SURVEY NO. T-1309

Record of Application to Charts

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<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<td>6/1/60</td>
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<td>EE Thomas</td>
<td>Grids Applied until Reconstructor Before After Verification and Review</td>
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<tr>
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<td>792</td>
<td>CR Witzmann</td>
<td>Before After Verification and Review</td>
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</table>

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.