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

**U. S. DEPARTMENT OF COMMERCE**

**COAST AND GEODETIC SURVEY**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Planimetric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>6126</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-11313</td>
</tr>
</tbody>
</table>

**LOCALITY**

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

**1956**

**CHIEF OF PARTY**

Ira R. Rubottom, Chief of Party

V. Ralph Sobierski, O-in-C., Portland

**PHOTOGRAPHIC OFFICE**

**LIBRARY & ARCHIVES**

**DATE**

JUN 24 1958
DESCRIPTIVE REPORT - DATA RECORD

T - 11313

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


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

Instructions dated (II) (III): 13 December 1955  Copy filed in Division of

Amendment dated: 20 March 1956  Photogrammetry (IV)

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): 30 October 1957  Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date:  Date registered (IV): 3 March 1958

Publication Scale (IV):

Geographic Datum (III): N.A. 1927  Publication date (IV):

Vertical Datum (III): X  Mean sea level except as follows:

Elevations shown as (2f) refer to mean high water
Elevations shown as (2u) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): SCOTT 1933

Lat.: 32° 36' 32.290" 994.7m (853.5m)  Long.: 80° 06' 19.869" 518.0m (1067.4m)

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 80°03'45"
(Show name within area) (II) (III)
Field Inspection by (II): Martin C. Moody  
John S. Winter  
Date: Jan., Mar., 1956  
Feb., 1956

Planetable contouring by (II):  
Date:

Completion Surveys by (II):  
Date:

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 9-lens photographs of November 1955 and office examination and refinement.

Projection and Grids ruled by (IV): A. Riley  
A. Riley  
Date: 12/31/55

Projection and Grids checked by (IV):  
Date: 1/3/56

Control plotted by (III): LTJG Clinton D. Upham  
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  
Contours

Stereoscopic Instrument compilation (III):  
Date:

Manuscript delineated by (III):  
R. B. Melby  
(Rough Draft)  
2/19/57

R. B. Melby  
(Scribing)  
3/10/57

C. C. Harris  
(Stick-up)  

J. E. Deal  
Date: 7/23/57

Photogrammetric Office Review by (III):  
Date:

Elevations on Manuscript checked by (II) (III):  
Date:
### DESCRIBITIVE REPORT - DATA RECORD

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

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>49277 &amp; 49278</td>
<td>3/23/55</td>
<td>14:00</td>
<td>1:10,000</td>
<td>-0.6 ft. below M.L.W.</td>
</tr>
<tr>
<td>52215 thru 52217</td>
<td>11/21/55</td>
<td>10:12</td>
<td>1:10,000</td>
<td>3.7 ft. below M.L.W.</td>
</tr>
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</table>

---

**From Table of Projected Tides**

<table>
<thead>
<tr>
<th>Reference Station:</th>
<th>Charleston, S. C.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subordinate Station:</td>
<td>Rockville, Bohicket Creek</td>
</tr>
</tbody>
</table>

**Tide (III):**

<table>
<thead>
<tr>
<th>Ratio of</th>
<th>Mean</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ranges</td>
<td>Range</td>
<td>Range</td>
</tr>
<tr>
<td>----------</td>
<td>------</td>
<td>--------</td>
</tr>
<tr>
<td>5.1</td>
<td>6.0</td>
<td>5.8</td>
</tr>
</tbody>
</table>

**Final Drafting by (IV):**

**Drafting verified for reproduction by (IV):**

**Proof Edit by (IV):**

**Land Area (Sq. Statute Miles) (III):**

5

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

25.6

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

5.5

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

2

Recovered:

2

Identified:

1

Number of BMs searched for (II):

0

Recovered:

0

Identified:

0

Number of Recoverable Photo Stations established (III):

3

Number of Temporary Photo Hydro Stations established (III):

---

**Remarks:**

* The Form 524 for VAN Azimuth Mark was completed at the Compilation Office.
FIELD INSPECTION REPORT

Project Ph-126

Map Manuscript T-11313

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 Manuscript T-11313

Project Ph-126

The control extension for this map manuscript was completed as part of a combined radial plot comprising Map Manuscripts No'd. T-11309, T-11310 and T-11313 thru T-11315. The Photogrammetric Plot Report is included in the Descriptive Report for T-11309.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR ( \phi )-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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Longitude or ( \lambda )-COORDINATE</td>
<td>FORWARD (BACK)</td>
<td>FORWARD (BACK)</td>
</tr>
<tr>
<td>SCOTT 1933</td>
<td>G-1669</td>
<td>1927</td>
<td>32 36</td>
<td>22,290</td>
<td>994.7 (853.5)</td>
</tr>
<tr>
<td></td>
<td>Pg. 61</td>
<td></td>
<td>80 06</td>
<td>19,869</td>
<td>518.0 (1067.4)</td>
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<tr>
<td>ST. JOHNS 1933</td>
<td>D0</td>
<td></td>
<td>32 37</td>
<td>05,448</td>
<td>167.8 (1680.4)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>80 09</td>
<td>07,903</td>
<td>206.0 (1358.2)</td>
</tr>
<tr>
<td>VAN 1933</td>
<td>G-1669</td>
<td>&quot;</td>
<td>32 36</td>
<td>58,493</td>
<td>1801.8 (46.4)</td>
</tr>
<tr>
<td></td>
<td>Pg. 62</td>
<td></td>
<td>80 04</td>
<td>22,610</td>
<td>589.5 (974.8)</td>
</tr>
</tbody>
</table>
31. **Delineation:**

Remarks contained in Paragraph 31, "Delineation" of the Compilation Report for T-11306 are applicable to T-11313.

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-11313.

37. **Landmarks and Aids:**

None.

38. **Control for Future Surveys:**

Forms 524 are submitted for two monumented recoverable topographic stations which were located by graphic methods. They are:

KNEE 1956 and MILE 1956

Form 524 is submitted by the Photogrammetric Office for one other monumented station which was located by graphic methods, namely:

VAN AZIMUTH MARK 1956
These stations are listed in paragraph 49, "Notes to the Hydrographer".

39. Junctions:

Satisfactory junctions were made on the West with T-11125 N Project Ph-81 compiled in Baltimore, on the East with T-11314 and on the North with T-11309. The Atlantic Ocean is on the South.

40. Horizontal and Vertical Accuracy:

46. Comparison with Existing Surveys:

Comparison was made with the Army Map Service Kiawah Island, S. C. 7½ minute quadrangle, Scale, 1:24,000, published 1943 (1st edition).

Comparison was made with C&GS Air Photo Compilation of 1933, No. T-5154, 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:

[Signature]

V. Ralph Sobiersalski
LCOR C&GS SURVEY
Officer-in-Charge

Respectfully submitted:

[Signature]

J. Edward Deal
Cartographer
C&GS
T-1313

Geographic Names

Atlantic Ocean
Charleston County
Johns Island
Kiawah Island
Kiawah River
South Carolina

Names approved 12-6-57.
L. Beck
A.M.
49. Notes to the Hydrographer:

Three monumented recoverable topographic stations were located by graphic methods for use in future hydrographic surveys. They are:

KNEE 1956
MILE 1956
VAÑ AZIMUTH MARK 1956
PHOTOGRAMMETRIC OFFICE REVIEW
T- 11313


CONTROL STATIONS

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

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

MISCELLANEOUS

Reviewer

Supervisor

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

<table>
<thead>
<tr>
<th>Station</th>
<th>Survey 1</th>
<th>Survey 2</th>
<th>Survey 3</th>
<th>Survey 4</th>
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</thead>
<tbody>
<tr>
<td>296</td>
<td>1:20,000</td>
<td>1849</td>
<td>899</td>
<td>1:20,000</td>
</tr>
<tr>
<td>491</td>
<td>1:20,000</td>
<td>1854</td>
<td>843</td>
<td>1:20,000</td>
</tr>
<tr>
<td>714</td>
<td>1:20,000</td>
<td>1858</td>
<td>8456</td>
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<tr>
<td>964</td>
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<td>1864</td>
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<tr>
<td></td>
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</table>

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
- The Jetties: 1:1000
- Legareville: 1:1000
- Kiawah Island: 1:1000

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.

Ferriment 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.
62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

<table>
<thead>
<tr>
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<th>1:20,000</th>
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<tbody>
<tr>
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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

<table>
<thead>
<tr>
<th></th>
<th>1:25,000</th>
<th>1:25,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>James Island</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Jetties</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Legareville</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kiawah Island</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None

65. COMPARISON WITH NAUTICAL CHARTS

<table>
<thead>
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<th>1:20,000</th>
<th>1:20,000</th>
<th>1:20,000</th>
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<tr>
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<td></td>
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<td>1:20,000</td>
<td>1st Ed. 1936 Revised 1/21/57</td>
<td></td>
<td></td>
</tr>
</tbody>
</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 follow:

T-11106

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

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

T-11307

Refer to Item 4 and 47 of the Compilation Report.

T-11308

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-11311

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>
</tr>
</thead>
<tbody>
<tr>
<td>East of Peas Island</td>
<td>OBED CAB</td>
<td>48</td>
<td>59</td>
</tr>
<tr>
<td>Polly Beach Asr.</td>
<td>Fixed Bridge Vt. cl. 10'</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Folly Cr.</td>
<td>Hori. cl. 57'</td>
<td></td>
<td>54</td>
</tr>
<tr>
<td>Oak Island Cr.</td>
<td>Fixed Bridge Vt. cl. 3'</td>
<td></td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>Hori. cl. 28'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reviewed by
A. K. Heywood

Approved
Leandra
Chief, Review Branch
Photogrammetry Division

W. E. Wolcott
Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Division

Chief, Coastal Surveys Division
# NAUTICAL CHARTS BRANCH

## SURVEY NO. 113/3

### Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/60</td>
<td>1239</td>
<td>E.E. Thomas</td>
<td>Considered fully applied until Recom.</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>After Verification and Review</td>
</tr>
<tr>
<td>5-4-61</td>
<td>792</td>
<td>E.R. Wittmann</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.