Type of Survey: TOPOGRAPHIC

Field No.: Ph-20(47)  Office No.: T-8991

State: NORTH CAROLINA

General locality: PAHLICO SOUND

Locality: JUDITH ISLAND

1951

CHIEF OF PARTY
E.R. McCarthy, Chief of Party
A.L. Wardwell, Tampa Photogrammetric Office

LIBRARY & ARCHIVES

DATE: August 4, 1953
DATA RECORD

T-8991

Project No. (II): Ph 20 (47) Quadrangle Name (IV):

Field Office (II): Washington, N. C.
Photogrammetric Office (III): Tampa, Florida
Instructions dated (II) (III): 23 July, 1948

Chief of Party: E. R. McCarthy
Officer-in-Charge: Arthur L. Wardwell
Copy filed in Division of Photogrammetry (IV) Office Files

Method of Compilation (III): Graphic
Manuscript Scale (III): 1:20,000
Scale Factor (III): None

Date received in Washington Office (IV): OCT 24 1950
Date reported to Nautical Chart Branch (IV): OCT 30 1950
Date registered (IV): 5 Feb 1952

Publication Scale (IV): 1:24,000
Geographic Datum (III): N. A. 1927
Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (F) refer to mean high water
Elevations shown as (C) refer to sounding datum
i.e., mean low water or mean lower low water.

Reference Station (III): ROSE, 1932
Lat.: 35° 22' 28.985 (893.3 ft.
Long.: 76° 25' 13.475 (340 ft.)

Plane Coordinates (IV): Lambert
State: N. C.
Zone:

Y = 601,279.13
X = 2,768,787.15

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.
No Contours

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

Field Inspection by (II): Herschel G. Murphy  Date: 15 Feb. 1949

Planestable contouring by (II): None

Completion Surveys by (II): James E. Hundley  Date: 28 June 1951

Mean High Water Location (III) (State date and method of location):
Air Photo Compilation  Date: 15 Feb. 1949

Projection and Grids ruled by (IV): W. E. W. (W. O.)  Date: 18 June 1948

Projection and Grids checked by (IV): W. E. W. (W. O.)  Date: 18 June 1948

Control plotted by (III): R. R. Wagner  Date: 5 Oct. 1948

Control checked by (III): B. F. Lampton  Date: 5 Oct. 1948

Radial Plot by M. M. Slavney
Stereoscopic Instrument compilation (III):
Planimetry Inapplicable
Contours

Manuscript delineated by (III): C. J. Downing  Date: 27 June 1950

Photogrammetric Office Review by (III): R.Dossett J. A. Giles  Date: 23 August 1950

Elevations on Manuscript checked by (II) (III): None
PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
<th>Tide (III)</th>
</tr>
</thead>
<tbody>
<tr>
<td>21627</td>
<td>26 Jan. 1948</td>
<td>13:47</td>
<td>1:20,000</td>
<td>No periodic tide</td>
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<tr>
<td>22243</td>
<td>29 March 1948</td>
<td>15:40</td>
<td>&quot;</td>
<td>&quot;</td>
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<tr>
<td>22244</td>
<td>29 March 1948</td>
<td>15:11</td>
<td>&quot;</td>
<td>&quot;</td>
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</tr>
<tr>
<td>24131</td>
<td>21 Dec. 1948</td>
<td>12:47</td>
<td>&quot;</td>
<td>&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Tide (III)

Reference Station:  
Subordinate Station:  
Subordinate Station:  
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): 5.5
Shoreline (More than 200 meters to opposite shore) (III): 32.3
Shoreline (Less than 200 meters to opposite shore) (III): 0.3
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): 6
Number of BMs searched for (II): None
Number of Recoverable Photo Stations established (III): 5
Number of Temporary Photo Hydro Stations established (III): None

Remarks: *The periodic tide is negligible.*

Date: 27 Nov 1951
Summary to Accompany Map T-8991

Map T-8991 is one of 32 similar maps of Project Ph-20(47) and is centrally located in the project. It covers the mouth of the Pamlico River and some land areas adjacent.

This is a graphic compilation project. Field operations preceding compilation included complete field inspection and the recovery and identification of horizontal control.

The map was compiled at a scale of 1:20,000 and covers $7\frac{1}{2}^\circ$ in latitude by $7\frac{1}{2}^\circ$ in longitude. The entire map was field edited.

This map will be published as a standard topographic quadrangle after the addition of hydrographic data by the Nautical Chart Branch, Division of Charts. Items registered under T-8991 will include a cloth-mounted lithographic print of the map manuscript at a scale of 1:20,000, a cloth-mounted color print at a scale of 1:24,000 and the descriptive report.
FIELD INSPECTION REPORT
Quadrangle T-6991
(35° 15' 00" N 76° 22' 30"
Project Ph-20(47)
E. R. McCarthy, Chief of Party

The field work for this quadrangle was done in accordance with the Director's instructions, Project Ph-20(47), field, dated 23 July 1948 and other instructions as noted herein. The field work was accomplished by the following personnel.

<table>
<thead>
<tr>
<th>Name and Title</th>
<th>Phase</th>
<th>Started</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Herschel G. Murphy</td>
<td>Shoreline &amp; Horizontal</td>
<td>11/16/48</td>
<td>2/15/49</td>
</tr>
<tr>
<td>Engineering Aid</td>
<td>Control</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Interior Field Inspection</td>
<td>11/16/48</td>
<td>2/15/49</td>
</tr>
</tbody>
</table>

1. DESCRIPTION OF THE AREA

This quadrangle is located in Pamlico and Hyde Counties. The land area is divided approximately equally between the two counties.

The Pamlico River flows in a general northwest-southeast direction through the quadrangle. All of the land area lying north of the river is in Hyde County, while all of that lying south of the river is in Pamlico County.

The land area of the quadrangle is composed completely of marsh, with small scattered sand beaches along the river edge.

The only industries carried on in the area encompassed by the limits of the quadrangle are; oysterering, fishing and shrimping. Although there are no ports within the quadrangle at which these products can be sold, there are a number of safe anchorages for small vessels.

At no place within the quadrangle does the elevation exceed 3.0 feet above mean sea level.

2. COMPLETENESS OF FIELD INSPECTION

Field inspection of the quadrangle is thought to be complete and all features are adequately classified and identified on the photographs.

Woodland cover was classified in accordance with Photogrammetry Instructions No. 21 dated 18 August 1948.
3. **INTERPRETATION OF THE PHOTOGRAPHS**

No great difficulty was encountered in topographic interpretation of photographic details.

4. **HORIZONTAL CONTROL**

All known horizontal control was searched for within the quadrangle and a report for each station submitted on Form 526.

No supplemental horizontal control was established during field inspection.

5. **VERTICAL CONTROL**

Only one bench mark lies within the limits of this quadrangle. A tidal bench mark at Pamlico Point Light. At the time the party worked this area, weather conditions prohibited travel to the light in a small boat, thus it was impractical to visit the mark. See item 67

6. **CONTOURS AND DRAINAGE**

Elevations established in Quadrangle T-8990 were used to prove that in no place in the quadrangle does the elevation exceed three feet above mean sea level. In-as-much as the contour interval on this project is five feet, contouring is not applicable.

7. **MEAN HIGH-WATER LINE**

The mean high-water line is as photographed.

In some cases, a narrow line of grass and refuse shows on the photographs. Measurements prove this line to be the mean high-water line.

In other instances taped distances to the M.H.W.L. are given directly on the photographs.

8. **LOW-WATER LINE**

The mean low-water line is the same as the mean high-water line because there is no periodic tide. See tide data record at beginning of report.

9. **WHARVES AND SHORELINE STRUCTURES**

There are no wharves or shoreline structures within this quadrangle, therefore this paragraph is not applicable.
10. DETAILS OFFSHORE FROM HIGH-WATER LINE
   Adequately labeled on the photographs.

11. LANDMARKS AND AIDS TO NAVIGATION
   All fixed aids were located by theodolite cuts and are submitted
   on forms 24A and 567.

   One landmark, a skeleton steel 55 foot tower was identified directly
   on the photographs and is reported on form 567, copy attached.

12. HYDROGRAPHIC CONTROL
   At no place along the shore does the interval between triangulation
   stations, daybeacons, lights and topographic stations exceed 2.0 miles.

13. LANDING FIELDS AND AERONAUTICAL AIDS
   There are no landing fields or aeronautical aids in the area en-
   compassed by the limits of the quadrangle.

14. ROAD CLASSIFICATION
   There are no roads within the limits of this quadrangle.

15. BRIDGES
   There are no bridges over navigable waters within the limits of
   this quadrangle.

16. BUILDINGS AND STRUCTURES
   There is only one building and one steel 55 foot tower* within the
   limits of the quadrangle and are delineated on the photographs in
   accordance with Photogrammetry Instructions No. 29, dated 1 October 1948.
   *See item 11

17. BOUNDARY MONUMENTS AND LINES
   There are no boundary monuments within the quadrangle.

18. GEOGRAPHIC NAMES
   This will be the subject of a special report which will be sub-
   mitted by Mr. Wilber H. Nelson at a later date, filed in Geographic
   Names Section, Div. of Charts.
7 March 1949
Submitted by:
Herschel G. Murphy
Engineering Aid

Approved: 7 March 1949
Lilie Cerven
E. R. McCarthy
Chief of Party
Photogrammetric Plot Report

This report covers the plot for Maps T-8989 to T-8991 inclusive and T-8995 to T-8997 inclusive, and is filed as part of the Descriptive Report for Map T-8996.
<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>DATUM CORRECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Judith Is Lt.</td>
<td>G.Ps.</td>
<td>N.A.</td>
<td>35 22</td>
<td>24.52</td>
<td>76 26</td>
<td>27.54</td>
</tr>
<tr>
<td></td>
<td>1914 P.386</td>
<td>1927</td>
<td>76 26</td>
<td>27.54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Judith Is Bn.</td>
<td>&quot;</td>
<td>&quot;</td>
<td>35 22</td>
<td>24.442</td>
<td>76 26</td>
<td>27.54</td>
</tr>
<tr>
<td></td>
<td>1933 P.369</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Judith Is Biological</td>
<td>&quot;</td>
<td>&quot;</td>
<td>35 21</td>
<td>44.60</td>
<td>76 22</td>
<td>55.70</td>
</tr>
<tr>
<td>Tower,</td>
<td>1935 P.298</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Old.</td>
<td>G.Ps.</td>
<td>&quot;</td>
<td>35 18</td>
<td>52.27</td>
<td>76 29</td>
<td>16.44</td>
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<tr>
<td></td>
<td>1935 P.380</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Rose</td>
<td>G.Ps.</td>
<td>&quot;</td>
<td>35 22</td>
<td>28.985</td>
<td>76 25</td>
<td>13.475</td>
</tr>
</tbody>
</table>

1 FT. = 0.3048006 METER

PHOTOGRAHAMMETRIC PLOT REPORT

Submitted with T-8996 on 10 February 1950, filed in Descriptive Report for T-8996.

31. DELINEATION

The graphic method of delineation was used.
No unusual methods of compilation were used. Field inspection was satisfactory.

32. CONTROL

The horizontal control was adequate. Identification, placement and density of coverage was sufficient for the establishment of detail points.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

No contours exist in this quadrangle. Drainage has been delineated as indicated by the photographs. See item 6.

35. SHORELINE AND ALONGSHORE FEATURES

The mean high-water line has been shown as indicated on the field photographs. The shoreline inspection was adequate. See item 56.

36. OFFSHORE DETAILS

No unusual problems were encountered in compiling offshore details.

37. LANDMARKS AND AIDS

No unusual methods of compilation were encountered. Reference Photogrammetric Plot Report, relative to Pamily Point Lighthouse.
38. CONTROL FOR FUTURE SURVEYS

Five (5) topographic stations are being submitted on form 524. These topographic stations have been listed and included under Item No. 49. See item 57

39. JUNCTIONS

Satisfactory junction has been made with T-8990 - on the west, T-8992 - on the east and T-8997, on the south. T-8982, on the north, has not been compiled at this writing.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement required. See item 53

46. COMPARISON WITH EXISTING MAPS

Comparison was made with USG&GS planimetric map T-5558 at a scale of 1:10,000. Comparison could be made only as far north as Latitude 35° 19'; that being the limit of the map. No outstanding differences were noted.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Nautical Chart No. 1231, at a scale of 1:80,000, published Nov. 1938, and corrected to 28 Nov. 1949. No changes were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Charles J. Downing
Cartographic Photo. Aid

Approved and Forwarded

Arthur L. Wardwell
Chief of Party
49. NOTES FOR THE HYDROGRAPHER

The following list of Topographic Stations may be of use to the hydrographer:

HILL, 1949
HELP, 1948
HUPP, 1948
KNEE, 1949 * Unable to recover. Station destroyed. *
LATE, 1948

J.E. Handley
27 June 1951
PHOTOGRAMMETRIC OFFICE REVIEW
T. 8991


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. Photogrammetric plot report _____ 8. Detail points _____

ALONGSHORE AREAS
(Nautical Chart Data)
13. Landmarks _____ 14. Aids to navigation _____ 15. Other alongshore physical features _____

PHYSICAL FEATURES
16. Water features _____ 17. Natural ground cover _____ 18. Other physical features _____

CULTURAL FEATURES
19. Railroads _____ 20. Other cultural features _____

BOUNDARIES
21. Boundary lines _____

MISCELLANEOUS

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 _____ 43. Remarks:

Supervisor _____
FIELD EDIT REPORT
Project Ph-20(47)
Quadrangle T-8991

Harry F. Gerber, Chief of Party

51. METHODS

The field edit of this area was accomplished by traversing the shoreline by boat.

Corrections and additions were made by standard surveying methods in conjunction with visual inspection.

All corrections and additions have been noted on the field edit sheet and one overlay sheet. All deletions have been noted on the field edit sheet.

The reviewer's questions are answered on the discrepancy print, field edit sheet, one overlay sheet, and this report.

A legend appears on the field edit sheet which is self-explanatory.

The actual field work was accomplished in two days - 29 November 1950 for the southwest portion, and 27 June 1951 for the northeast portion.

52. ADEQUACY OF COMPILATION

The map compilation is adequate and will be complete after field edit data has been applied. See item 66

53. MAP ACCURACY

The horizontal accuracy of the map detail is relatively good. See item 66

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

It is believed that Mr. John L. Mann of New Holland, N. C. is best qualified to examine a proof copy of this work.

Ref. to item 48 - Compilation Report.

The name "RACCOON COVE" could not be verified.
56. SHORELINE AND ALONGSHORE DETAILS

Ref. to item 35 - Compilation Report.

Several changes, from apparent to definite, in the classification of shoreline, have been shown on the field edit sheet.

57. OTHER CONTROL

Ref. to item 49 - Compilation Report.

Topographic station "KNEE 1949" was searched for, but not recovered. It is believed that the station has been destroyed, as a new survey of the vicinity was made and the sand beach has shifted about 40 feet westward. This particular type of beach is subject to change with the storm tides. Form 524 is submitted, filed in Div. of Photogrammetry.

58. JUNCTIONS

Satisfactory junctions have been made with quadrangle T-8982 to the north, T-8992 to the east, and T-8990 to the west.

28 June 1951
Submitted by:
James E. Hundleby
Cartographer

17 July 1951
Approved by:
Harry F. Garber
Chief of Party
Commander, US&GS
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 Charles J. Downing
Tampa Photogrammetric Office

<table>
<thead>
<tr>
<th>STATE</th>
<th>NORTH CAROLINA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>TOWER</td>
<td>JULY TH ISLAND BIOLOGICAL TWR. skeleton steel 55 ft. high</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>SIGNAL NAME</td>
<td></td>
</tr>
<tr>
<td>LATITUDE</td>
<td></td>
</tr>
<tr>
<td>LONGITUDE</td>
<td></td>
</tr>
<tr>
<td>DATUM</td>
<td></td>
</tr>
<tr>
<td>METHOD OF LOCATION AND SURVEY NO.</td>
<td>DATUM</td>
</tr>
<tr>
<td>DATE OF LOCATION</td>
<td>MARKER CHART</td>
</tr>
<tr>
<td>CHARTS AFFECTED</td>
<td>INSIDE CHART</td>
</tr>
<tr>
<td></td>
<td></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 corrected. Date this sheet and sign the page as shown here.
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

Charles J. Downing
Tampa Photogrammetric Office  

E. R. McCarthy  Chief of Party.

<table>
<thead>
<tr>
<th>STATE</th>
<th>NORTH CAROLINA</th>
<th>POSITION</th>
<th></th>
<th>DATE</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
<td>LATITUDE</td>
<td>LONGITUDE</td>
<td>DATUM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGHT</td>
<td>PAWLICO POINT</td>
<td>35°18</td>
<td>1453</td>
<td>76 27</td>
<td>556</td>
<td>R. Plot T-8991</td>
<td>1948</td>
</tr>
<tr>
<td>LIGHT</td>
<td>White skeleton tower on brown piles</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGHT</td>
<td>JUDITH ISLAND</td>
<td>35 22</td>
<td>753.3</td>
<td>76 26</td>
<td>695.3</td>
<td>&quot; Triang.</td>
<td>1933</td>
</tr>
<tr>
<td>LIGHT</td>
<td>JUDITH NARROWS</td>
<td>35 19</td>
<td>1479</td>
<td>76 23</td>
<td>966</td>
<td>R. Plot T-8991</td>
<td>1949</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Black slatted pile structure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></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.
48. GEOGRAPHIC NAME LIST

- BERNICE CREEK
- BIG PORPOISE BAY
- BIG PORPOISE POINT
- CEDAR CREEK
- CEDAR CREEK POINT
- CURRITUCK TOWNSHIP
- DEEP BAY
- DRUM COVE
- DRUM POINT
- FATE COVE
- FLAT COVE
- HOG COVE
- HOG PEN POINT
- HOUSE COVE
- HOUSE COVE POINT
- HYDE COUNTY
- ISLAND CREEKS
- ISLAND CREEKS POINT
- JENKINS COVE
- JUDITH ISLAND
- JUDITH NARROWS
- KIRK POINT
- LIGHTHOUSE CREEK
- LITTLE JUDITH ISLANDS
- LITTLE PORPOISE BAY
- LITTLE PORPOISE POINT
- LONG CREEK (1)
- LONG CREEK (2)
- LONG CREEK POINT
- MIDDLE CREEK
- MOUSE HARBOR
- NORTH CAROLINA
- NORTH COVE
- OAK COVE
- OAK COVE POINT
GEOGRAPHIC NAME LIST (continued)

PAMLICO COUNTY
PAMLICO POINT
PAMLICO RIVER
PAMLICO SOUND
PERSIMMON TREE POINT
POINT OF NARROWS
PORPOISE CREEK
RACCOON POINT
RACCOON POINT
ROOS POINT
SAGE POINT
SHELL BAY
SHELL HILL POINT
SHELL POINT
SOUND POINT
SOUTHWARD BAY
SWANQUARTER ISLAND
SWANQUARTER NATIONAL WILDLIFE REFUGE
SWANQUARTER TOWNSHIP

THE BLOWOUT
TOLENS BAY
TOWNSHIP NO. 4

VOLIVA COVE

WHITE PARCH BAY

YAUPON HAMMOCK POINT

*Name shown on map manuscript in pencil was taken from USC&GS T-5556 to be investigated during field edit.

Names approved,
subject to F.B.
11-2-50
A.J. W.
62. Comparison with Registered Topographic Surveys:

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-1095</td>
<td>1:20,000</td>
<td>1869</td>
</tr>
<tr>
<td>T-1355</td>
<td>1:20,000</td>
<td>1873-74</td>
</tr>
<tr>
<td>T-5556</td>
<td>1:10,000</td>
<td>1934</td>
</tr>
<tr>
<td>T-5558</td>
<td>1:10,000</td>
<td>1935</td>
</tr>
<tr>
<td>T-5560</td>
<td>1:10,000</td>
<td>1935</td>
</tr>
</tbody>
</table>

This survey supersedes the above surveys for nautical charting purposes for common areas.

63. Comparison with Maps of Other Agencies:  None

64. Comparison with Contemporary Hydrographic Surveys:  None.

65. Comparison with Nautical Charts:

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1231</td>
<td>1:80,000</td>
<td>50 - 2/20</td>
</tr>
</tbody>
</table>

This survey shows a new canal across Judith Island.

66. Adequacy of Results and Future Surveys:

This map meets the National Standards of Map Accuracy and complies with project instructions.

67. Vertical Control:

The tidal bench mark referred to under item 5 is not shown on the manuscript. The mark was located on the light in 1914 and the light was rebuilt in 1940. Although it was not confirmed by the field parties, the mark is probably destroyed.

Submitted by:

[Signatures]

Approved:

[Signatures]
History of Hydrographic Information

T-8991

Judith Island, Pamlico Sound, N. C.

Hydrography was added to the map manuscript in accordance with the general specifications of 18 May 1949.

Depth curves and soundings are in feet and originate with the following C&GS hydrographic surveys:

- H-1010 (1869) 1:20,000
- H-1088 (1870) 1:20,000
- H-1226 (1874) 1:20,000
- H-1227 (1874) 1:40,000
- H-3664 (1914) 1:20,000

The depth curves are shown at 6, 12, and 18 feet.

The depth curves and soundings were compiled by Everett H. Ramey and checked by R. E. Elkins.

Everett H. Ramey
7 January 1952