U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey: Topographic

Field No.: Ph-61(49)  Office No.: T-9836

LOCALITY

State: North Carolina
General locality: Albemarle Sound
Locality: Roper

19451-54

CHIEF OF PARTY
H. P. Garber, Chief of Field Party
J. E. Waugh, Tampa Photogrammetric Office

DATE: July 1, 1957

LIBRARY & ARCHIVES
DATA RECORD

T = 9836

Project No. (II): Ph-61(49) Quadrangle Name (IV):

Field Office (II): Edenton, North Carolina Chief of Party: Harry F. Garber

Photogrammetric Office (III): Tampa, Florida Officer-in-Charge: J. E. Waugh

Instructions dated (II) (III): 15 June 1951 Copy filed in Division of

Photogrammetry (IV) Office Files

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000 Stereoscopic Plotting Instrument Scale (III): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV): SEP 28 1953 Date reported to Nautical Chart Branch (IV): 23 April 1967

Applied to Chart No. Date: Date registered (IV):

Publication Scale (IV):

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

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

Elevations shown as (25) refer to mean high water
Elevations shown as ($) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): PIPE STA. B-1, 1942 (USE) - (On T-9833)

Lat.: 35° 53' 00.420 (12.9 m.) Long.: 76° 36' 37.727 (946.3 m.) Adjusted

Plane Coordinates (IV):

Y = X =

State: N.C. Zone:

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)
(I) (II) (III)
**DATA RECORD**

Field Inspection by (II): Jack T. Beecher, Cartographic Survey Aid  
Date: September, 1951

Planetable contouring by (II): Leo F. Baugnet, Cartographic Survey Aid  
Jack T. Beecher, Cartographic Survey Aid  
Date: Sept., Oct. and Nov., 1951

Completion Surveys by (II): James E. Hurdley  
Date: June 1954

Mean High Water Location (III) (State date and method of location): Inshore quadrangle  
September 1951
Air Photo Compilation

Projection and Grids ruled by (IV): J. A. (W.O.)  
Date: 24 Jan. 1952

Projection and Grids checked by (IV): H. D. W. (W.O.)  
Date: 28 Jan. 1952

Control plotted by (III): None  
Date:

Control checked by (III): None  
Date:

Radial Plot: M. M. Slavney  
Stereoscopic Contouring by (III):  
M. M. Slavney  

Planimetry  
Inapplicable  
Contours  

Date: 27 Aug. 1952

Stereoscopic Instrument compilation (III):  

Date:

Manuscript delineated by (III): R. Dossett  
Date: 15 May 1953

Photogrammetric Office Review by (III): J. A. Giles  
Date: 21 Aug. 1953

Elevations on Manuscript checked by (III): J. A. Giles  
Date: 3 June 1953
### PHOTOGRAPIHS (III)

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<th>Scale</th>
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<td>1131</td>
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### Tide (III)

- **Reference Station:** Inapplicable
- **Subordinate Station:** Inapplicable

- **Washington Office Review by (IV):** Everett H. Ramcy
  - **Date:** 16 Dec 1954

- **Final Drafting by (IV):** J. Johnson
  - **Date:** 9-16-55

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

- **Proof Edit by (IV):**

- **Land Area (Sq. Statute Miles) (III):** 56.5
- **Shoreline (More than 200 meters to opposite shore) (III):** 4.5
- **Shoreline (Less than 200 meters to opposite shore) (III):** 1.0
- **Control Leveling - Miles (II):** 22.5 of fly levels
- **Number of Triangulation Stations searched for (II):** 0
  - **Recovered:** 0
  - **Identified:** 0
- **Number of BMs searched for (II):** 0
  - **Recovered:** 0
  - **Identified:** 0
- **Number of Recoverable Photo Stations established (III):** none
- **Number of Temporary Photo Hydro Stations established (III):** none

**Remarks:**
Summary to Accompany Topographic Map T-9836

Topographic map T-9836 is one of eleven similar maps of project Ph-61(49). It covers a portion of Phelps Lake and some land area to the westward within Washington County, North Carolina.

Project Ph-61(49) is a graphic compilation project. Field work in advance of compilation included the establishment of additional control, complete field inspection, the delineation of 5-foot contours directly on the photographs by plane-table methods, and the investigation of civil boundaries and geographic names.

Map T-9836 was compiled at a scale of 1:20,000 using nine-lens photographs taken in 1951. The map was field-edited.

Items registered under T-9836 will include a descriptive report, a copy at 1:20,000 scale of the map manuscript and a copy of the published map.
FIELD INSPECTION REPORT

2. AREAL FIELD INSPECTION

A portion of the small town of Roper lies within the quadrangle in the extreme northwest corner. This town, and the farm land to the southeast, comprise the only developed area. The remainder of the area is undeveloped and only a dirt road running southeasterly, through the quadrangle, from the town of Roper is worthy of mention.

A part of the undeveloped area is accessible by tram lines owned and maintained by the Roper Lumber Company for logging purposes. These tram lines are of a temporary nature, being dismantled and moved to new locations as the logging progresses. A one tram line is mapped.

The chief industries are agriculture and logging.

In general, the photographs are clear and no great difficulty was encountered in their interpretation.

The field inspection is believed to be adequate and complete.

3. HORIZONTAL CONTROL

There are no horizontal control stations within the limits of this quadrangle.

4. VERTICAL CONTROL

(a) There are no bench marks within the limits of the quadrangle.

(b) To provide a base for planestable contouring, 22.5 miles of supplemental levels were run with a Wye level along the principal roads and tram lines and elevations established at identifiable picture points. All fly level lines began and ended on fly level points established in other quadrangles. No large errors of closure were encountered.

(c) The first and last fly level points are 36-01 and 36-27.
5. CONTOURING AND DRAINAGE

Contouring was accomplished by standard planerwral methods directly on field photographs at a contour interval of five (5) feet.

The entire area is relatively flat. The highest elevation recorded was eighteen (18) feet in the northwestern portion of the quadrangle. The inaccessibility of most of this area made contour progress slow.

No excessive errors of closure were encountered in the planerwral traverses.

The only natural drainage of importance is through Mackeys Creek into Albemarle Sound. This creek lies in the northwestern part of the quadrangle. The only other drainage is either via canals and ditches or by seepage in the southeastern portion into Lake Phelps.

6. WOODLAND COVER

The cover was classified in accordance with paragraph 5433 of the Topographic Manual, Part II, dated 1949.

The woodland area is predominantly pine and gum on the higher ground, with cypress and gum on the lower ground and in the swamps. Heavy growths of underbrush and reeds cover nearly the entire area. The reed areas, where not intermingled with other types of vegetation, are easily identified on the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline of Lake Phelps is apparent throughout.

There are no alongshore features.

8. OFFSHORE FEATURES

There are no offshore features.

9. LANDMARKS AND AIDS

There are no landmarks or aids to navigation within the limits of this quadrangle.

10. BOUNDARIES, MONUMENTS, AND LINES

This will be the subject of a special report to be submitted at a later date.

* Report by James E. Huntley filed under project data in Div. of Photogrammetry.
11. OTHER CONTROL

No additional control (topographic stations) established.

12. OTHER INTERIOR FEATURES

All roads and buildings have been classified in accordance with the Topographic Manual.

There are no bridges over navigable waters; cable crossings, landing fields or Aeronautical Aids within the area.

13. GEOGRAPHIC NAMES

This is the subject of a special report submitted by Mr. James C. O'regan, Cartographic Survey Aid, dated October, 1951.

*Filed in Geographic Names Sect., Div. of Charts.

14 December 1951
Submitted by:
Leo F. Beugnet
Leo F. Beugnet, Cartographic Survey Aid

27 December 1951
Approved by:
Harry F. Garber
Commander, USC&GS
Chief of Party
PHOTOGRAMMETRIC PLOT REPORT

This report covers all maps of Project Ph-61(49) and is filed as part of the Descriptive Report for T-9834.
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<th>DATUM CORRECTION</th>
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PHOTOMETRIC PLOT REPORT.

This report was submitted with T-9834

31. DELINEATION.

The graphic method was used.

The scale of the photographs was reasonably good.

The field inspection was adequate.

32. CONTROL.

There is no primary control. Sufficient pass points were established and placement was such that no difficulty was encountered in cutting in detail points.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

The drainage, consisting of canals and one creek, has been delineated as shown on the photographs.

No difficulty was encountered in transferring the contours from the field prints.

35. SHORELINE AND ALONGSHORE DETAILS.

Delineated as shown photographically and according to field inspection.

36. OFFSHORE DETAILS.

None.
37. LANDMARKS AND AIDS.
   None.

38. CONTROL FOR FUTURE SURVEYS.
   None.

39. JUNCTIONS.
   A satisfactory junction has been made with T-9833 on the north, T-9840 on the south, T-9835 on the west and T-9837 on the east.

40. HORIZONTAL AND VERTICAL ACCURACY.
   No statement.  

46. COMPARISON WITH EXISTING MAPS.
   A comparison has been made with U. S. Corps of Engineers quadrangle, "PLYMOUTH, N. C.", compiled in 1942, scale 1:125,000. 
   No outstanding differences were noted.

47. COMPARISON WITH NAUTICAL CHARTS.
   Area is not covered by any nautical chart.

APPROVED AND FORWARDED:

J. E. Waugh, Chief of Party

Rudolph Dassett
Carto Photo Aid
FIELD EDIT REPORT
Project PH-61(49)
Quadrangle T-9336

51. METHODS

The field edit of this area was accomplished by standard surveying methods in conjunction with visual inspection. Actual field work was completed in June, 1954.

Field edit data appears on the field edit sheet, discrepancy print, field photographs 33152-A, 33153, and in this report.

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

52. ADEQUACY OF COMPILATION

The map compilation is adequate and will be complete after field edit revisions have been applied.

53. MAP ACCURACY

The horizontal accuracy of the map detail is relatively good.

The accuracy of the contouring, in general, is good.

Minor contour corrections, to improve expression, were made as indicated on photograph 33152-A.

54. RECOMMENDATIONS

Recommend that Item 55 - "Examination of Proof Copy" be discontinued for the following reason: It is believed that the field editor does a more thorough job of checking the accuracy of compilation of any area than some uninterested individual.
56. DRAINAGE

Refer to Item 34 - Compilation Report.

All feeder ditches have been deleted from the field edit sheet.

57. OTHER INTERIOR FEATURES

Refer to Item 12 - Field Inspection Report.

Additional roads have been shown on photograph 33152-A.

The addition and reclassification of buildings has been shown on the field edit sheet.

58. JUNCTIONS

Satisfactory junctions have been made with all adjacent contemporary surveys.

25 June 1954
Submitted by:

James E. Hundley
Cartographer

25 June 1954
Forwarded by:

J. E. Waugh
CDR, USCGS
Chief of Party
PHOTOGRAFMETRIC OFFICE REVIEW
T-9836


CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy M.M.S.  6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) XX  7. Photo hydro stations XX  8. Bench marks J.G.

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines J.G.  32. Public land lines XX

MISCELLANEOUS

Jesse A. Giles  William A. Maguire
Reviewer  Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT by Tampa site.

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:** None

63. **Comparison with Maps of Other Agencies**

Plymouth Quadrangle (C. of E. 1:125,000) 1943

Many differences exist in swamp and drainage and there have been a few changes in culture. This published quadrangle is without contours.

64. **Comparison with Contemporary Hydrographic Surveys:** None

65. **Comparison with Nautical Charts**

1228 1:80,000 1937 corrected to 53-5/11

There are some differences in drainage and culture.

66. **Adequacy of Results and Future Surveys**

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

Reviewed by:

*Everett H. Ramey*

Approved by:

*L. C. Landy*
Chief, Review Branch
Division of Photogrammetry

*W. F. Cameron*
Chief, Div. of Photogrammetry
27 June '57

*W. T. Baskett*
Chief, Nautical Chart Branch
Division of Charts

*W. E. Wilson*
Chief, Division of Coastal Surveys
48. GEOGRAPHIC NAME LIST.

- CANAL A
- CANAL B
- J J CLEMONS HIGH SCHOOL
- EAST DISMAL SWAMP
- KENDRICK CREEK
- LAKE PHILPS
- LEGGS MILL TOWNSHIP
- LEWIS CANAL
- MAIN CANAL
- NEWLAND ROAD
- NORTH CAROLINA
- N C 52
- ROPER
- SCUPPERNONG TOWNSHIP
- SKINNERSVILLE TOWNSHIP
- U. S. 64
- WASHINGTON COUNTY

Names approved 9-29-53 on basis of project names report. L. Heck.
49. **NOTES FOR THE HYDROGRAPHER.**

None. Inshore quadrangle.
### NAUTICAL CHARTS BRANCH

**SURVEY NO. 9336**

**Record of Application to Charts**

<table>
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<th>DATE</th>
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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.