

9836

Diag. Cht. No. 1228.

Form 504

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

1945-54

CHIEF OF PARTY

H.F. Garber, Chief of Field Party

J.E. Waugh, Tampa Photogrammetric

Office

LIBRARY & ARCHIVES

DATE July 1, 1957

9836

## 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):

Applied to Chart No.

Date:

Date registered (IV):

23 April 1957

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N. A. 1927

Vertical Datum (III): MSL

Mean sea level except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) 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

~~Unadjusted~~

Plane Coordinates (IV):

State: N.C.

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.

35°-45'

76°-37'-30"

76°-30'



## DATA RECORD

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

Date: September, 1951

Planetable contouring by (II): Leo F. Beugnet,  
Cartographic Survey Aid  
Jack T. Beecher,  
Cartographic Survey Aid

Date: Sept., Oct. and  
Nov., 1951

Completion Surveys by (II): James E. Hundley

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 ~~on Stereoscopic~~ M. M. Slavney  
~~Control extension~~ by (III):

Date: 27 Aug. 1952

Planimetry  
Stereoscopic Instrument compilation (III): Inapplicable  
Contours

Date:

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 J. A. Giles  
checked by (III):

Date: 3 June 1953



Camera (kind or source) (III): ~~USCGS~~ Nine-lens camera,  $8\frac{1}{4}$ " focal length

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PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
33151	17 March 1951	1131	1:20,000	No tide
33152	"	1132	"	"
33153	"	1134	"	"
33154	"	1135	"	"
33166	"	1155	"	"
33167	"	1156	"	"
33168	"	1157	"	"
33169	"	1158	"	"

Tide (III)

Reference Station: } No tide  
Subordinate Station: } Inapplicable  
Subordinate Station: }

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): *Everett H. Ramey*

Date: *16 Dec 1954*

Final Drafting by (IV): *F. Johnson*

Date: *9-16-55*

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

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*

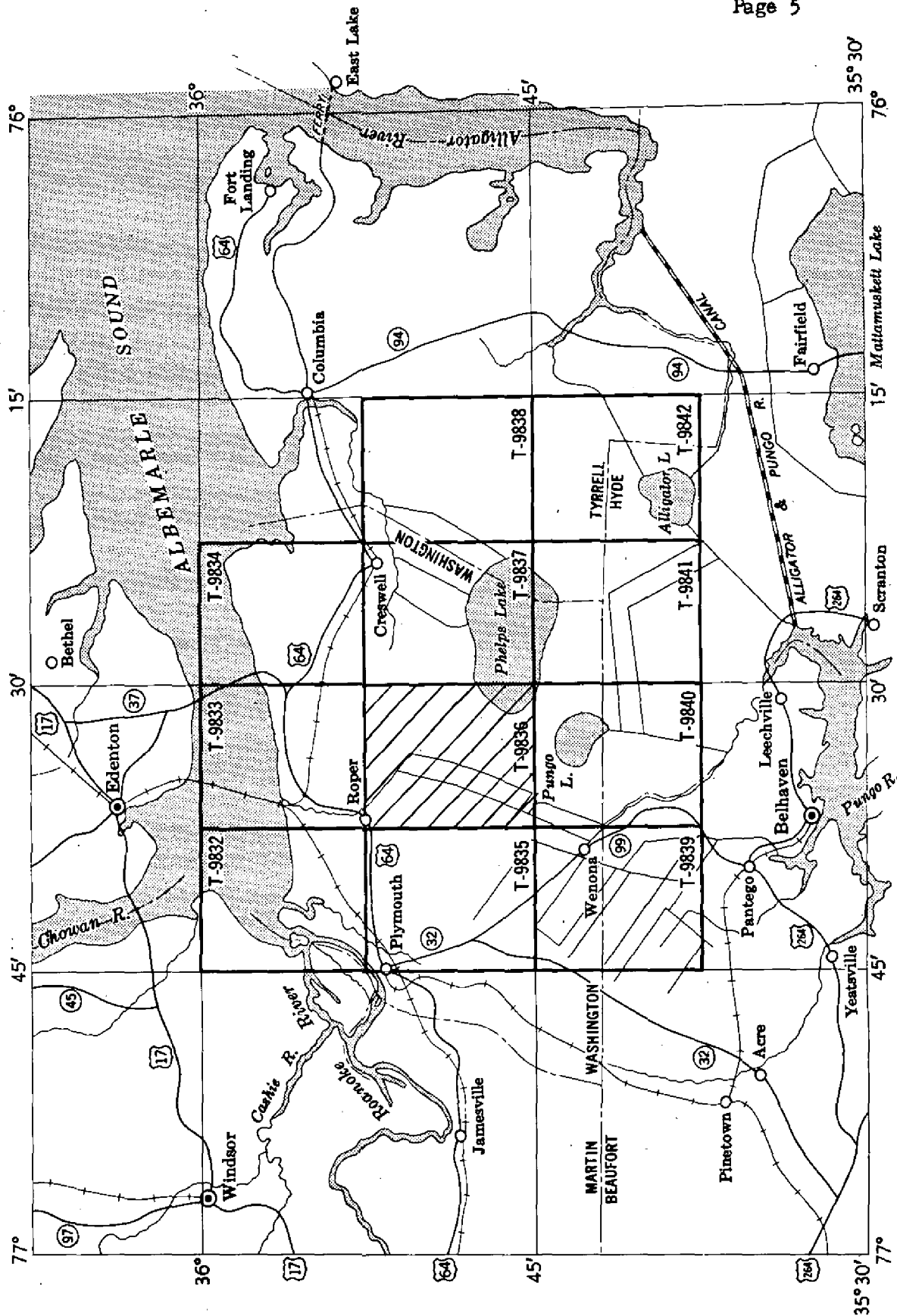
Number of Recoverable Photo Stations established (III): *none*

Number of Temporary Photo Hydro Stations established (III): *none*

Remarks:

# TOPOGRAPHIC MAPPING PROJECT PH-61-(49) NORTH CAROLINA, Albemarle Sound and Vicinity

Compilation scale 1:20,000





## 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.

*\* One Tram line is mapped. ~~etc~~*

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 planetable 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 planetable methods directly on field photographs at a contour interval of five (5) feet.

The entire area is relatively flat. The highest <sup>natural ~~ground~~ <sup>SNH</sup> elevation</sup> 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 plane-table 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. (B. H. = Kennedy CV.)

## 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. Hundley filed under project data in Div. of Photogrammetry. SNH



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<sup>\*</sup> submitted by Mr. James C. Cregan, 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:

*for* *George E. Vanaduz*  
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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COMPILATION REPORT T-9836

PHOTOGRAMMETRIC 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.

*See §66*

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. *See §63*  
No outstanding differences were noted.

47. COMPARISON WITH NAUTICAL CHARTS.

Area is not covered by any nautical chart. *See §65*

*Rudolph Dasset*  
Rudolph Dasset  
Carto Photo Aid

APPROVED AND FORWARDED:

*J. E. Waugh*  
J. E. Waugh, Chief of Party



FIELD EDIT REPORT  
Project PH-61(49)  
Quadrangle T-9836

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.

See §66



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*  
James E. Hundley  
Cartographer

25 June 1954  
Forwarded by:

*J. E. Waugh*  
J. E. Waugh  
CDR, USC&GS  
Chief of Party

## PHOTOGRAMMETRIC OFFICE REVIEW

T- 9836

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

## 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.  
9. Plotting of sextant fixes XX 10. Photogrammetric plot report J.G. 11. Detail points J.G.

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline J.G. 13. Low-water line J.G. 14. Rocks, shoals, etc. XX 15. Bridges XX 16. Aids to navigation XX 17. Landmarks XX 18. Other alongshore physical features J.G. 19. Other along-shore cultural features J.G.

## PHYSICAL FEATURES

20. Water features J.G. 21. Natural ground cover J.G. 22. Planetable contours J.G. 23. Stereoscopic instrument contours XX 24. Contours in general J.G. 25. Spot elevations J.G. 26. Other physical features J.G.

## CULTURAL FEATURES

27. Roads J.G. 28. Buildings J.G. 29. Railroads J.G. 30. Other cultural features J.G.

## BOUNDARIES

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

## MISCELLANEOUS

33. Geographic names J.G. 34. Junctions J.G. 35. Legibility of the manuscript J.G. 36. Discrepancy overlay J.G. 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.40. Jesse A. Giles William A. Rasure  
Reviewer Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT *by Tampa. S.H.K.*

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:



Review Report  
Topographic Map T-9836  
16 December 1954

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                      1:80,00                      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  
Everett H. Ramey

Approved by:

L. C. Lande  
Chief, Review Branch  
Division of Photogrammetry

Max B. Ricketts  
Chief, Nautical Chart Branch  
Division of Charts

Will Swanson  
Chief, Div. of Photogrammetry

J. B. Sewell  
Chief, Division of Coastal  
Surveys

27 June '57

48. GEOGRAPHIC NAME LIST.

- CANAL A ✓
- CANAL B ✓
- J J CLEMONS HIGH SCHOOL ✓
- EAST DISMAL SWAMP ✓
- KENDRICK CREEK ✓
- LAKE PHELPS *LaVe* ✓
- LEES MILLS TOWNSHIP ✓
- LEWIS CANAL ✓
- MAIN CANAL ✓
- NEWLAND ROAD ✓
- NORTH CAROLINA  
*NC 32*
- 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. 9836

### Record of Application to Charts

[illegible]

M-2168-1

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.