U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Air Photographic Topographic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No</td>
<td>Office No</td>
</tr>
<tr>
<td></td>
<td>T-8189</td>
</tr>
</tbody>
</table>

LOCALITY

<table>
<thead>
<tr>
<th>State</th>
<th>North Carolina</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Columbus County, N. C.</td>
</tr>
<tr>
<td>Locality</td>
<td>Nakina, N. C.</td>
</tr>
</tbody>
</table>

1943

CHIEF OF PARTY
F. L. Caulfield
Fred. L. Peacock

LIBRARY & ARCHIVES

DATE March 14, 1945
DATA RECORD

T-8189

Quadrangle (II): Nakina, 7½ minute quadrangle Project No. (II): CS 284

Field Office: Chief of Party: F. L. Callen
Myrtle Beach, South Carolina

Compilation Office: Chief of Party: Fred. L. Peacock
Baltimore, Maryland

Instructions dated (II III): Copy filed in Descriptive
July 15, Oct. 19, Oct. 23, Oct. 27, 1942 Report No. T-

(VI)

Completed survey received in office: 6/25/43

Reported to Nautical Chart Section: 6/26/43

Reviewed: Sept. 1, 1943 Applied to chart No. Date:

Redrafting Completed: Nov. 17, 1943

Registered: 7/46 Published: 1943

Compilation Scale: 1:20,000 Published Scale: 1:31,670

Scale Factor (III): None

Geographic Datum (III): N.A. 1927 Datum Plane (III): Mean Sea Level

Reference Station (III): Ward, 1942

Lat.: 34° 11' 20.671" Long.: 78° 44' 12.901"
636.9(1211.8)m. 330.3(1206.0)m. Adjusted

Plane coordinates for reference sta. not available

Military Grid Zone (VI): B

State Plane Coordinates (VI):
North Carolina (Single zone)

X = Plane coordinates for reference sta.
Y = not available

Military Grid Zone (VI)
PHOTOGRAPHS (III)

<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>8174 - 8177 (incl.)</td>
<td>4/1/42</td>
<td>2:23 P. M.</td>
<td>1:20,000</td>
<td>There are no navigable waters within</td>
</tr>
<tr>
<td>8205 - 8207 (incl.)</td>
<td>4/2/42</td>
<td>11:23 A. M.</td>
<td>1:20,000</td>
<td>the limits of this</td>
</tr>
<tr>
<td>8181 - 8184 (incl.)</td>
<td>4/1/42</td>
<td>2:44 P. M.</td>
<td>1:20,000</td>
<td>7 1/2 min. quadrangle</td>
</tr>
<tr>
<td>8219 - 8220 (incl.)</td>
<td>4/2/42</td>
<td>No data</td>
<td>1:20,000</td>
<td></td>
</tr>
</tbody>
</table>

Tide from (III): No tide computation necessary

Mean Range:                  Spring Range:

Camera: (Kind or source) U. S. Coast & Geodetic Survey nine lens camera (Focal length 64"

Contouring and
Field Inspection/ by: L. G. Chambers  date: Dec. 1942
                                              Jan. 1943
Field Edit by: D. Flippo  date: Aug. 1943

Date of Mean High-Water Line Location (III):

Projection and Grids ruled by (III) Washington Office date: Jan. 22, 1943

" " " checked by: Washington Office  date: Jan. 22, 1943

Control plotted by: Henry P. Eichert  date: Mar. 13, 1943

Control checked by: Joseph Steinberg  date: Mar. 15, 1943

Radial Plot by: Joseph Steinberg and J. Edward Deal, Jr. date: 3/19-31/43

Detailed by: M. Joy Turner  date: 4/15 - 6/24/43

Reviewed in compilation office by: Henry P. Eichert  date: 6/22-24/43

Elevations on Field Edit Sheet  date: 8/3/43

checked by: D. Flippo
STATISTICS (III)

Land Area (Sq. Statute Miles): 61

Shoreline (More than 200 meters to opposite shore): None

Shoreline (Less than 200 meters to opposite shore): None

Number of Recoverable Topographic Stations established:
4 Azimuth Reference Marks

Number of Temporary Hydrographic Stations located by radial plot: None

Statute Leveling (to control contours) ~/miles: 57

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:
FIELD INSPECTION REPORT
QUADRANGLE T-6189
Project CS-284
F. L. Gallen, Chief of Party

1. The area covered by this Quadrangle is generally poorly developed, with farms on the higher ground; the low ground, comprising about 75 percent of the total area, being covered by dense growths of trees, principally gum and cypress in the swamps, and pine and oak on the higher ground.

Drainage for this area follows a well defined pattern. White Marsh, near the north limits, flows southeast into the Waccamaw River, and drains a small area to the east and south. Beaver Dam Swamp carries the heaviest load of the drainage, and it enters the quadrangle in the northwest corner and flows southeast into the Waccamaw River. Gum Swamp is a tributary of Beaver Dam Swamp and drains the central western side of the area.

The northwest corner of the area is comparatively hilly and is well drained, while the balance of the quadrangle is low and poorly drained. Numerous ditches appear in all cultivated areas and the most important of these are shown.

Several bays, which are flat swampy areas, appear in the central and southeastern portions of the quadrangle and the drainage from them has been delineated on the photographs.

2. The field inspection is believed to be complete except for some small items, erroneously omitted, which may be noted in the field edit and the classification of bridges, which will also be added at that time.

3. Dark tones on the photographs, if they appear on or near high ground, generally indicate pine trees, but they may also indicate heavy brush in swampland. Slightly lighter tones indicate deciduous trees as in swamps.

4. The horizontal control for this quadrangle was established by the U. S. C. and G. S. and all stations were recovered and pricked on photographs which were submitted to the Baltimore Office in December, 1942.

5. First order bench marks were established in this quadrangle by the U. S. C. and G. S. in 1942, all of which were recovered and pricked on the photographs and submitted to the Baltimore Office in December, 1942. One U. S. G. S. bench mark "Beaver 1942" was recovered and pricked on the photograph.

Supplementary level lines were run over enough roads in this quadrangle to provide sufficient control for the plane table party, and elevations were established on top of stakes in the case of T. B. M.'s, and at the base of stakes and the center lines of bridges. The stakes were established at identifiable points on the photographs and were later checked by the topographic party. All of the level lines were tied into
permanently marked bench marks, and where the closure was less than 0.30 foot, no adjustment was made. Lines checking from 0.30 to 1.00 foot were adjusted. Lines which checked over 1.00 foot were rerun.

6. Contouring was accomplished by a four-man planetable party using the regular equipment. All contouring was done directly on the photographs and orientation was obtained from identifiable points on the photograph. A new variable scale steel foot bar was used on traverses to compensate for differences in photographic scale. Short hand level lines were run into swamps and other areas which were too densely wooded for planetable methods, and distances were paced to the shots, or the elevations were obtained to well defined points on the photograph. Streams were located principally by inspection of the photograph, and where this was not practicable, were paced or taped in.

7. to 13. incl. do not apply to this area.

14. Roads were classified according to instructions, a copy of which is attached.

15. Classification of bridges and culverts was not done on the photographs, although they have been indicated. Classification will be done on the field edit sheet.

16. All buildings to be shown on the manuscript are circled in red. Dwellings are not labeled. Barns, Churches, stores, and other buildings are labeled. Any building not circled is to be deleted.

17. This quadrangle lies entirely within Columbus County, North Carolina, and only political boundaries apply, which will be added during field edit.

18. Geographic Names for this quadrangle are the subject of a special report by A. J. Wright in Project CS-284.

19. Junctions with quadrangle T-9195 on the south have been made and checked in the field.

Junctions with Quadrangle T-9188 on the east have been made and checked.

There have been no surveys of the areas to the north and to the west of this Quadrangle.

Respectfully submitted,

L. G. Chambers
Prin. Photogrammetric Aid.

Approved:

F. L. Gallup,
Chief of Party.
**ROAD CLASSIFICATIONS FOR MAPS OF ALL SCALES**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Class</th>
<th>Label</th>
<th>Structure</th>
<th>Loading</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>I</td>
<td>Dependable hard-surface heavy duty road.</td>
<td>Concrete, asphaltic con-</td>
<td>Will bear heaviest ground load.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>struction.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>II</td>
<td>Secondary, hard-surface all-weather road.</td>
<td>Surfaced gravel, asphalt, or bituminous macadam.</td>
<td>Will bear fairly heavy load.</td>
</tr>
<tr>
<td>3</td>
<td>III</td>
<td>Soil-surface graded or ungraded dry weather road.</td>
<td>Gravel or stone surfaced.</td>
<td>Will bear light load.</td>
</tr>
<tr>
<td>4U</td>
<td></td>
<td>Track road</td>
<td>Woods roads, farm roads, etc.</td>
<td>Unimproved tracks (Horse, foot).</td>
</tr>
<tr>
<td>5</td>
<td>V</td>
<td>Trail</td>
<td>Unimproved or poorly drained road.</td>
<td>Unimproved tracks (Horse, foot).</td>
</tr>
</tbody>
</table>

For roads with more than two (2) lanes indicated by noted along road name, etc., e.g. 3-LANE. Change in lanes shown by tick at point of change. Main roads have two lanes unless otherwise marked. Designate private roads by the letter "P" after the road classification.
ABBREVIATIONS FOR FIELD INSPECTION
PROJECTS 234 and 235
1942

ROADS:
W - Width (feet between shoulders)

13 - U.S. Highway No. 13
13 - State Highway No. 13
13 - County Highway No. 13
Pr - Private road
CP - Overpass
UP - Underpass
RR - Railroad track, state number
to line of tracks.

STREAMS, PONDS & BRIDGES
D - Ditch
I - Intermittent stream
P - Probable drainage
C - Creek
C - Canal
B - Bridge (capacity & clearance)
C - Culvert (capacity)
L - Levee

Dem - Dem
F - Pond
IP - Intermittent Pond
V - Waterfall

VEGETATION
C - Cultivation
G - Grass
S - Shrubs and vines

BUILINGS
D - Dwelling
b - barn
Ch - Large chicken house
Bo - Boat house
Ch - Church (give name)
Ct - Court House (give name)
P O - Post Office (give name)
Sch - School (give name)
Hos - Hospital (give name)

RR sta - Railroad station
Sto - Country store or gas sta.
P sta - Power station

LANDMARKS
F T - Fire tower
T T - Transmission Tower
R T - Radio tower or mast
Air Bm - Airway beacon

F - Non lighted aid to navigation
L - Lighted aid to navigation
Th - Low tank
Th Ew - Elevated tank
Sk - Stack
S P - Standpipe

BOUNDARIES
F - Fence
Sty F - Stone Fence
C - Cemetery
Co - County
F B - Fire Break
Bdy - Boundary
Hdg - Hedge
N.C - North Carolina
Park - Park
S.C - South Carolina
Five U. C. Coast and Geodetic Survey triangulation stations lie within the limits of this map manuscript. They are:

- ARP, 1942
- WARD, 1942
- NAKINA, 1942
- NAKINA FIRE TOWER, 1942
- SCHULKENS, 1942

At well defined points near all of the above triangulation stations, with the exception of NAKINA FIRE TOWER, 1942, the field party established F. I. stations. These F. I. stations are shown with an orange circle on the glossy side of the map manuscript.

Three U. S. Coast & Geodetic Survey triangulation stations, BEAVER, 1942, IRON HILL, 1933, and DOCK, 1942, lie just outside the limits of this map manuscript.

In addition, six U. S. Coast & Geodetic Survey triangulation stations lie within six minutes to the north of the limits of this map manuscript. They are:

- BRUNSWICK, WATER TANK, SLEDGE LUMBER CO., 1942
- HOPE, 1942
- WHITEVILLE, 1942
- WHITEVILLE M. E. CHURCH STEEPLE, 1942
- WHITEVILLE MUNICIPAL WATER TANK, 1942
- HALLS, 1942

The field party also established F. I. stations for four of the aforementioned stations, namely, BEAVER, 1942, DOCK, 1942, HOPE, 1942, and WHITEVILLE, 1942.

All these stations were used in the orientation of photographs of the area of this map manuscript and in the establishment of secondary control points but only those stations within the detail limits or immediately adjacent thereto were used for establishing detail points.

27 RADIAL PLOT:

The radial plot for this map manuscript is described in Section 2 of the descriptive report of the radial plots for Projects CS 275 and CS 284, which has been submitted.Filed In Division of Photogrammetry.

28 DETAILING:

All detail was obtained from the nine lens office photographs using the center chambers as much as possible. The field inspection was generally satisfactory for the entire area.

Drainage and the limits of swamps, as shown on the field inspection photographs, were verified by stereoscopic examination of the photographs and found to be in good agreement. The field party's interpretation was accepted.
SUPPLEMENTAL DATA:

No previous surveys covering the area of this map manuscript are available to this compilation office. A copy of the Columbus County, North Carolina, State Highway and Public Works Commission map was furnished by the field party to show geographic names in the area.

GEOGRAPHIC NAMES:

A list of undisputed, disputed and recommended geographic names which appear on this map manuscript is attached to this descriptive report.

DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared to accompany this map manuscript. On it are notes calling attention of the field edit party to omissions in their road classifications, the indication of probable bridges or culverts and such other notes as are deemed likely to be of assistance during the field edit. The numbers of all Bench Marks are shown for the use of the Baltimore Field Office in scaling their geographic positions from the red line print. A set of general notes on this discrepancy overlay will serve as a guide in the interpretation of symbols shown on the map manuscript.

HORIZONTAL ACCURACY:

Horizontal accuracy of the location of well-defined and less well-defined points of detail is believed to be within the limits as set forth in paragraph 59 of the instructions for Project CS-284, dated July 15, 1942.

RECOMMENDATION FOR FUTURE SURVEYS:

The planimetry as presented on this map manuscript is believed to be complete, but is subject to field edit for corrections, additions and deletions.

JUNCTIONS:

Complete, satisfactory junctions have been made with the following quadrangles:

To the East - Survey No. T-8188
To the South - Survey No. T-8195

There are no contemporary surveys bordering Survey No. T-8189 either to the North or to the West available to the compilation office.

REMARKS:

The field inspection party has submitted in their field report, an adequate description of the area covered by this map manuscript.
42 REMARKS: (Cont'd)

This field report is attached to this compilation office descriptive report.

43 AZIMUTH REFERENCE MARKS:

Four azimuth reference marks, namely, ARP AZIMUTH, 1942, WARD AZIMUTH, 1942, SCHULKE AZIMUTH, 1942, and NAKINA AZIMUTH, 1942, have been established by radial observations and their descriptions and scaled geographic positions are being submitted on forms No. 524 accompanying this descriptive report.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

No topographic quadrangles in this area were available to the compilation office. Comparison was made, nevertheless, with the Columbus County, North Carolina State Highway and Public Works Commission Map, scale 1" to the mile. In general, agreement of common detail was good. Lack of minute detail on the county map made only a limited comparison possible.

45 COMPARISON WITH NAUTICAL CHARTS:

There are no nautical charts which cover the area of this map manuscript.
Respectfully submitted,
June 24, 1943

M. Joy Turner
Asst. Photogrammetric Aid

Map manuscript, discrepancy overlay, and descriptive report, Reviewed by,

Henry P. Maciert
Jr. Photogrammetric Engineer

Compilation of map manuscript Supervised by,

Joseph Steinberg
Asst. Photogrammetric Engineer

and

J. Edward Deal, Jr.
Asst. Photogrammetric Engineer

Approved & Forwarded,
June 25, 1943

Fred L. Peacock
Commander, C & G Survey
Officer in Charge
Baltimore Field Office
GEOGRAPHIC NAMES

Undisputed

Antioch
Beaverdam Swamp
Big Pond Branch
Boggy Branch
Cattail Bay
Cow Bog Branch
Cypress Branch
Cypress Creek
Cypress Creek Bay
Cypress Creek Bridges
Lebanon Branch
Lebanon Road
Loggy Branch
Mark Pine
Mark Pine Road
Mill Branch Swamp
Mollie
Mollie Swamp
Nakina
Nakina Road
Needmore

Nellie Ford Bridge
Nellie Ford Road
Old Dock Road
Old Tram Road
Peniten Bridges
Peniten Canal
Pleasant Plains
Pleasant Plains Bridge
Pole Bridge
Pole Bridge Crossing
Register Branch
Send Pit
Send Pit Branch
Send Pit Bridge
Simmons Bay
Simmons Bay Bridge
Stanley Ford Bridge
Stanley Ford Road
Tabor City Road
Tard Corner
White Marsh
White's Crossing
Williams Road
<table>
<thead>
<tr>
<th>Recommended</th>
<th>Disputed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camp Bay</td>
<td>Cattail Bay</td>
</tr>
<tr>
<td>Cypress Creek</td>
<td>Cypress Branch</td>
</tr>
<tr>
<td>Monie Swamp</td>
<td>Monte Swamp</td>
</tr>
<tr>
<td></td>
<td>Moony Swamp</td>
</tr>
<tr>
<td>Name on Survey</td>
<td>A</td>
</tr>
<tr>
<td>---------------</td>
<td>---</td>
</tr>
<tr>
<td>Monie Ford (Abd.)</td>
<td></td>
</tr>
<tr>
<td>Boggy Branch</td>
<td></td>
</tr>
<tr>
<td>Beaverdam Swamp</td>
<td></td>
</tr>
<tr>
<td>Mill Branch Swamp</td>
<td></td>
</tr>
<tr>
<td>Needmore</td>
<td></td>
</tr>
<tr>
<td>Loggy Branch</td>
<td></td>
</tr>
<tr>
<td>Stanley Ford Bridge</td>
<td></td>
</tr>
<tr>
<td>Tabor City Road</td>
<td></td>
</tr>
<tr>
<td>Mollie Swamp</td>
<td></td>
</tr>
<tr>
<td>Mollie</td>
<td></td>
</tr>
<tr>
<td>Williams Road</td>
<td></td>
</tr>
<tr>
<td>Williams Branch</td>
<td></td>
</tr>
<tr>
<td>Lebanon Road</td>
<td></td>
</tr>
<tr>
<td>Lebanon Branch</td>
<td></td>
</tr>
<tr>
<td>Nellie Ford Bridge</td>
<td></td>
</tr>
<tr>
<td>Nellie Ford Road</td>
<td></td>
</tr>
<tr>
<td>Big Pond Branch</td>
<td></td>
</tr>
<tr>
<td>Antioch</td>
<td></td>
</tr>
<tr>
<td>Whites Crossing</td>
<td></td>
</tr>
<tr>
<td>Big Bay</td>
<td></td>
</tr>
<tr>
<td>Pleasant Plains</td>
<td></td>
</tr>
<tr>
<td>Pleasant Plains Bridge</td>
<td></td>
</tr>
<tr>
<td>Register Branch</td>
<td></td>
</tr>
<tr>
<td>Mark Pine</td>
<td></td>
</tr>
<tr>
<td>Cypress Creek Bay</td>
<td></td>
</tr>
<tr>
<td>Cypress Creek</td>
<td></td>
</tr>
<tr>
<td>Cypress Creek Bridges</td>
<td></td>
</tr>
<tr>
<td>Name on Survey</td>
<td>A</td>
</tr>
<tr>
<td>------------------------</td>
<td>---</td>
</tr>
<tr>
<td>Mark Pine Bay</td>
<td>n/a</td>
</tr>
<tr>
<td>Cypress Branch</td>
<td></td>
</tr>
<tr>
<td>White Marsh</td>
<td></td>
</tr>
<tr>
<td>Simmons Bay Creek</td>
<td></td>
</tr>
<tr>
<td>Old Tram Road</td>
<td></td>
</tr>
</tbody>
</table>

Name of channel underlined in red appears by L. Heck on 10/4/43.
46. The field edit was done by visual inspection, making all additions and deletions on the map manuscript, and transferring all the detail to a smooth copy while inking.

The following color scheme was used:

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>COLORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additions, bench marks, wye level elevations and crosses</td>
<td>RED</td>
</tr>
<tr>
<td>Deletions</td>
<td>GREEN</td>
</tr>
<tr>
<td>Drainage features</td>
<td>BLUE</td>
</tr>
<tr>
<td>Contours</td>
<td>BROWN</td>
</tr>
<tr>
<td>Civil Boundaries</td>
<td>VIOLET</td>
</tr>
</tbody>
</table>

47. The position and amount of detail on this map manuscript is believed to be complete and adequate.

48. A horizontal accuracy test was run in this quad.

Vertical accuracy tests are the subject of a special report for Project 284. File in Division of Photogrammetry

Submitted by

Donald G. Flippo
Engineering Aid

Approved and Forwarded

F. L. Gallen
Chief of Party
Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault

Cloth-mounted copy of the published quadrangle.
            published quadrangle at 1:20,000 scale
Black and white cloth-mounted copy of the/ map
manuscript. This copy is filed to preserve
original survey detail shown on the manuscript
at 1:20,000 scale which may not have been shown
on the published sheet. For political boundaries,
woodland, marsh, and swamp limits, refer to the
published quadrangle for the finally adopted
positions.

Descriptive Report. Division
Filed in the Photogrammetric Section—Surveys Branch

Field inspection photographs.

Contoured photographs (on which planetary contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations
(Form 524), filed in Reviewing-Unit Section

Supplementary traverse and level records.

Field notes, computations, lists of positions, and
tabulations of results of horizontal and vertical
accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in
red changes to be made when next printed.)

Check lists of work performed on each sheet in the
Washington Office during review, drafting, edit, and
reproduction.
Original celluloid manuscript.
Copies of specifications and all instructions to field parties and field offices.

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

Special report on field work by Commander K. T. Adams, 1944.

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L. Gallen, 1944.

Season's report on field work by Commander R. L. Schoppe, 1944.

Delivered to the Army Map Service in accordance with the contract

Film negatives and film positives of the color separation drawings.

All color separation drawings.

Original celluloid manuscript.

A correction sheet consisting of a copy of the first edition of the quadrangle with notes in red indicating changes desirable at the next printing.
General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S. 284, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs.

Contouring by planetable directly on the photographs. Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, driveways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Compilation on the map manuscripts by radial plot methods (celluloid hand templets) of all planimetry and contours. These manuscripts were drawn on the scale of 1:20,000 on celluloid sheets on which polyconic projections had been ruled with the Projection Ruling Machine in the Washington Office. Compilation was accomplished in the Baltimore Tampa Photogrammetric Office.

FIELD EDIT

Comparison of a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.
Accuracy Tests — Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review — Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction — Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blueline" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.
This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

**Horizontal and Vertical Accuracy**

The vertical accuracy test shows the contouring to be within national standard map accuracy requirements. The horizontal accuracy test No. 3 is discussed in the report on survey T-8187. Report filed in the Division of Photogrammetry.

**Previous Surveys**

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

There are no previous topographic surveys in this area.

**Comparison with Nautical Charts Nos.**

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

There are no nautical charts which cover the area of this map manuscript.
The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Only changes of a minor nature were necessary during the review of this map manuscript.

Reviewed Aug. 25, 1943
under direction of D. H. Benson

Inspected by B. G. Jones

Examined and approved:

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Chief, Surveys-Branch
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Robert Whelan
Chief, Div. of Charts

Raymond E. Friedman
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