

8188 *Original*

8188

Form 504 U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE DESCRIPTIVE REPORT	
Type of Survey <u>Air Photographic Topographic</u>	
Field No.	Office No. <u>T-8188</u>
LOCALITY	
State <u>North Carolina</u>	
General locality <u>Waccamaw River, Lee's Lake to Sweetgum Island</u>	
Locality <u>Old Dock, N. C.</u>	
<u>1943</u>	
CHIEF OF PARTY <i>F. L. Gallen and</i> Fred. L. Peacock	
LIBRARY & ARCHIVES	
DATE <u>December 21, 1945</u>	

DATA RECORD

T- 8188

Quadrangle (II): Old Dock 7 $\frac{1}{2}$ Minute Project No. (II): CS-284
 Field Office: Myrtle Beach, S. C. Chief of Party: F. L. Gallen
 Compilation Office: Baltimore, Maryland Chief of Party: Fred. L. Peacock
 Instructions dated (II III): July 15, Oct. 19;) 1942 ~~Copy filed in Descriptive Report No. T- (VI)~~
 Oct. 23, 27;)
 Completed survey received in office: May 19, 1943
 Reported to Nautical Chart Section: May 21, 1943
 Reviewed: 8/21/43 Applied to chart No. Date:
 Redrafting Completed: Dec. 3, 1943
 Registered: 11/45 Published: 1943
 Compilation Scale: 1:20,000 Published Scale: 1:20,000
 Scale Factor (III): none
 Geographic Datum (III): N.A. 1927 Datum Plane (III): Mean Sea Level
 Reference Station (III): Cruces, 1942
 Lat.: 34° 12' 25.477" 785.0 Long.: 78° 33' 28.660" 733.7 Adjusted
 (1063.7)m (802.4)m ~~Standard~~
 State Plane Coordinates (VI):
 North Carolina (single zone)
 X = 2,133,663.17 ft Y = 166,650.60 ft
 Military Grid Zone (VI) "B."

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8180 to 8184 Incl.	4/1/42	2:44p.m.	1:20,000	There are no navigable waters within the limits of this quadrangle
8157 to 8159 Incl.	4/1/42	1:30p.m.	1:20,000	
8439 to 8440 Incl.	4/6/42	Not Recorded	1:20,000	

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source) U. S. Coast & Geodetic Survey nine lens camera
(focal length 8 $\frac{1}{4}$ "
and Contouring

Field Inspection/by: J. N. Henningsen

date: January, 1943

Field Edit by: ✓

date:

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

Projection and Grids ruled by (III) Washington Office date: 1/22/43

" " " checked by: Washington Office date: 1/22/43

Control plotted by: Henry P. Eichert date: 2/22/43

Control checked by: J. Edward Deal, Jr. date: 3/13/43

Radial Plot by: Joseph Steinberg & J. Edward Deal, Jr. date: Feb., 1943

Detailed by: Raymond Glazer date: 4/6 to 5/6/43

Reviewed in compilation office by: Henry P. Eichert date: 5/12-14/43

Elevations on Field Edit Sheet
checked by: Louis Reven

date: 7/14/43

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:

One Azimuth reference Mark established by radial resection.

Number of Temporary Hydrographic Stations located by radial plot:

none

Leveling (to control contours)/- ^{Statute} miles: 29

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-8188
Project CS-284
F. L. Gallen, Chief of Party

1. DESCRIPTION OF AREA:

The area covered by this quadrangle consists of swamp, farmland, and higher rolling timberland with elevations ranging from 30 to 65 feet. The central portion and nearly all of the northern part of this area is definitely a perennial swamp which is caused by the drainage basin of the Waccamaw River with its heading only two miles north of the north extremity of the quadrangle boundary. Possibly the reason that the large swamp area exists is due to the gradient of this surrounding country which is so slight that there is very little opportunity for the water to find a drainage basin to run off in. The farmland which is on the eastern and western sides of the swamp area rises from the swamp with an increase in elevation from the swamp bed of generally around five feet. This keeps increasing from a minimum of around 30 feet to the elevations of around 65 feet in the northwestern corner. The growth in the swamp areas is mostly cypress and gum trees with a heavy undergrowth of briars and vines while on the higher land is found mostly pine with a little deciduous undergrowth. Most of the farm land is small tracts which are planted in tobacco and corn. Very few grain crops are grown in this area.

2. COMPLETENESS OF FIELD INSPECTION:

The field inspection is thought to be complete. Buildings, churches, cemeteries, roads and trees have all been classified. Only the buildings circled are to be shown on the map drawing. Those that are only circled and not designated are to be classed as houses or dwellings. Trails are shown with a dashed line, thus ----- . Swamp areas are enclosed by a dashed blue line and named swamp. Low ground areas are designated L. G. and also enclosed by a dashed blue line. The drainage to be shown on the completed sheet is shown on the field sheet. There is one main highway on this quadrangle, N. C. #130, which has been labeled. It is thought that all necessary information is shown on the field sheet that should be shown on the map drawing. Classification of bridges and culverts which have been designated on the photos or any other small items erroneously omitted will be noted by the field edit party.

3. INTERPRETATION OF THE PHOTOGRAPHS:

The photographs for this quadrangle are typical to corresponding areas of this type. The deciduous trees show up rather grayish in color and generally are found in the lower areas or swampland, while the pine or evergreen trees show up dark and are found on the higher ground. The real light wooded portions are cut over land and are generally covered by

a very few pine trees or low brush. It should be noticed that in the northern part of the sheet is a large swamp area with definite culture lines prominent in the vegetation. These lines are old logging railroads which have been abandoned for a large number of years. The lines were put in about 35 years ago and as the timber was cut from the swamp they were dismantled and only the right of way was left. Today these rights of way are grown up with a heavy underbrush and are hard to find on the ground but evidently are visible from the air. They should be ignored when compiling the sheet. A number of firebreaks show up as a grayish line. Whenever these are encountered they should be immediately accepted as such even though no notation is made on the photo of them. These lines are found in the cut over areas mentioned above. In any case it is thought that nothing should be shown on the compilation which is not noted on the photo or does not have a notation for something similar on some other part of the photo or photos for this quadrangle.

4. HORIZONTAL CONTROL:

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. VERTICAL CONTROL:

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. Supplementary level lines were run over the main roads in this quadrangle to provide sufficient control for the planetable party. These lines were run and adjusted by a separate party and were assumed correct as submitted by them, except where elevations were found in error when a tie was made between lines. Elevations found in error, run by the level party, were circled in red and the correct elevation shown in red adjacent to it. Where an elevation was thought to be incorrect, it was checked either from adjacent points on the line or a nearby bench mark. Due to the fact that elevations run by the level party were set by stakes and on T. B. M's. alongside the road traversed rather than the centerline, elevations run by them are useless after the planetable party uses them, and should not be shown on the compilation. These elevations are shown in black.

6. CONTOURS AND DRAINAGE:

Contouring was carried on by a four-man planetable party using standard Coast Survey equipment. The first operation in contouring was to establish a line of magnetic declination on the sheet. It was established by orienting along a long, straight stretch of road, near the center of the photograph. The declinatoire was used to orient the table on following set-ups where it was not possible to locate the position by inspection. The date and time of day were recorded near the declination line. All contouring was done directly on the photographs, and wherever possible, cultural features were used to locate the contours.

It was not found practicable to use the hand level to any extent. Wherever short hand level lines were run into the swamp areas that were too densely wooded for plane-table methods, the distances were paced to the shots or photographic features were used to locate them. Most of the elevations were taken by actual plane-table shots as a large portion of the contour ran in the open or along the edge of the swamps and was, therefore, readily accessible. Much of the drainage shown on the sheet was located by stereoscope or by actual inspection of the photographs. Where located by stereoscope, it was checked in the field by shots or by pacing and found to check very well. The stereoscope was found very helpful in shaping the contours and it is thought that contouring in this type of country with both survey methods and the stereoscope will produce a very satisfactory system of contours. There were no large vertical closures, none exceeded .4 ft. with the plane-table. Very few elevations were left in the bad swamp areas as the foliage in these places was so thick that it would necessitate cutting lines, which was thought needless as there was always definite information and investigations as to the possibility of contours in them. Most swamps are very flat in this area with gradual changes of elevation. No noticeably high spots are ever encountered in them.

7-13: The items under these headings in the field inspection report do not apply to this area.

14. ROAD CLASSIFICATION:

Roads were classified according to instructions issued by the Army War College, Washington, D. C., a copy of which is attached to the field inspection report for T-8189.

15. BRIDGES AND CULVERTS:

Classification of bridges and culverts will be done on the field edit sheet. Bridges have been indicated on the field sheet along with main culverts.

16. BUILDINGS AND STRUCTURES:

All buildings to be shown on the manuscript are circled in red. Buildings not labeled are to be classed as dwellings. Barns, churches, stores and other buildings are labeled. Any building not labeled is to be deleted.

17. BOUNDARY MONUMENTS AND LINES:

This quadrangle lies partly in Columbus and partly in Brunswick County, North Carolina. The division between the counties is the Waccamaw River and Juniper Creek. When the completed map drawing is submitted the county line should be shown along the final position of these waterways. It is labeled on photo 8157 and is visible on adjoining ones. There are no parks or other boundaries on this quadrangle except political ones, which will be added during the time of field edit.

18. GEOGRAPHIC NAMES:

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

19. JUNCTIONS:

Junctions with T-8189 on the west, T-8187 on the east and T-8194 on the south have been made and are in agreement. There have been no surveys to the North of this quadrangle.

20. PHOTOGRAPHS USED:

Photographs used in surveying this area were Nos. 8182, 8183, 8157 and 8158.

Submitted by

Joe N. Henningsen
Joe N. Henningsen,
Pr. Photogrammetric Aid.

Approved and forwarded:

F. L. Gallen
F. L. Gallen,
Chief of Party.

COMPILATION REPORT

26 CONTROL:

Three U. S. Coast & Geodetic Survey Triangulation Stations lie within the limits of this map manuscript. They are:

Crusoe, 1942
Dock, 1942
Juniper, 1942

One U. S. Coast & Geodetic Survey Triangulation Station, namely Schulkens, 1942, lies within one minute to the west of this map manuscript. Bogue, 1942, a U. S. Coast & Geodetic Survey Triangulation Station, lies within two minutes to the north of this map manuscript. All of these stations were used as control for secondary and detail points.

27 RADIAL PLOT:

The radial plot for this map manuscript will be described in Section 2 of the Descriptive Report for the radial plots of Projects CS-275 and CS-284, which will be submitted in the near future.

28 DETAILING:

All detailing was done from the nine lens office photographs using the center chambers as much as possible. Because Photograph No. 8157 was badly tilted, it was unsuitable for detailing and it was therefore necessary to use photographs in an adjoining flight. These photographs had very little overlap, which necessitated detailing from their outer chambers for a sizable area in the southeastern portion of this map manuscript. 9" x 9" single lens photographs, such as those obtained from the Soil Conservation Service, Department of Agriculture and used on Project CS-278-A were not available to the compilation office for this project. The field inspection was satisfactory as a whole for the entire area of the map manuscript. Discrepancies between the field inspection and office interpretation have been indicated on the discrepancy overlay.

All drainage was determined by stereoscopic examination of the office photographs, and found to be in good agreement with the field inspection. In certain areas, where the drainage could not be accurately determined at the compilation office, the field inspection interpretation was accepted. In addition, there has been shown on the map manuscript, by the dot-dash symbol, drainage of minor importance, which was not shown on the field inspection, but delineated by stereoscopic examination of the office photographs.

29 SUPPLEMENTAL DATA:

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

*30 MEAN HIGH WATER LINE:

*31 LOW WATER & SHOAL LINES:

*32 DETAILS OFFSHORE FROM THE HIGH WATER LINE:

*33 WHARVES & SHORELINE STRUCTURES:

*34 LANDMARKS & AIDS TO NAVIGATION:

*35 HYDROGRAPHIC CONTROL:

36 LANDING FIELDS & AERONAUTICAL AIDS:

This compilation office has no data concerning landing fields or aeronautical aids within the limits of this map manuscript.

37 GEOGRAPHIC NAMES:

A list of disputed, undisputed and recommended geographic names is attached to this descriptive report. These names were furnished by the field inspection party on a State Highway and Public Works Commission map of Columbus County, N. C.

38 DISCREPANCY OVERLAY:

no discrepancy overlay was prepared, instead we made tin red on acetate sheet
A discrepancy overlay has been prepared to accompany this map manuscript. On it are noted discrepancies concerning interpretation of detail and such notes as are deemed likely to be of assistance during the field edit. Also shown, are the names or numbers of all bench marks, for the use of the Baltimore Compilation Office in scaling the geographic positions of these bench marks from the red-line print. In addition, a set of notes has been included to aid in the interpretation of symbols and abbreviations shown on the map manuscript.

39 HORIZONTAL ACCURACY:

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

40 RECOMMENDATION FOR FUTURE SURVEYS:

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

*Not Applicable as there are no navigable waters within the limits of this map manuscript.

41 JUNCTIONS:

Satisfactory control and detail junctions were made with the following Quadrangles:

T-8189 - to the West

T-8187 - to the East

T-8194 - to the South

There is no contemporary survey bordering Survey No. T-8188 to the North.

42 REMARKS:

An adequate description of the area covered by this map manuscript, has been submitted by the field inspection party.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

There are no topographic quadrangles available to this office for comparison; however, comparison was made with Columbus County, third division, North Carolina State Highway and Public Works Commission map. Scale 1" to the mile. Lack of minute detail on this map made accurate comparison difficult, but use of the projector showed fairly good general agreement of roads. Definite discrepancies have been indicated on the overlay, and a check requested during field edit.

45 COMPARISON WITH NAUTICAL CHARTS:

There are no navigable waters within the limits of this map manuscript.

Respectfully submitted,
May 14, 1943

Raymond Glaser

Raymond Glaser
Sr. Eng. Draftsman

Map Manuscript, Discrepancy
Overlay and Descriptive Re-
port Reviewed by:

Henry P. Eishert

Henry P. Eishert
Jr. Photo. Engineer

Compilation of Map Manu-
script Supervised by:

Joseph Steinberg

Joseph Steinberg
Asst. Photo. Engineer

and

J. Edward Deal, Jr.

J. Edward Deal, Jr.
Asst. Photo. Engineer

Approved & Forwarded:
May 15, 1943

Fred. L. Peacock

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

LIST OF GEOGRAPHIC NAMES

Undisputed

✓ Bear Branch
✓ Bear Branch Bridge
✓ Boggy Swamp
✓ Buck Island
✓ Cliffton Bridges
✓ Cliffton Island
✓ Cross Swamp
✓ Crusoe Island
✓ Crusoe Road
✓ Fish Pond Road
✓ Gore Creek
✓ Gore Creek Bridge
✓ Green Swamp
✓ Gum Swamp
✓ Gum Swamp Run
✓ Hallsboro Road
✓ Honey Field
✓ Juniper Creek
✓ Juniper Creek Bridge
✓ Lee's Lake

✓ Lee's Lake Bridges
✓ Little Swamp
✓ Little Swamp Bridge
✓ Mark Pine Bay
✓ Mark Pine Canal
✓ Marlow Branch
✓ Old Dock Road
✓ Pine Island
✓ Rachael Island
✓ River Swamp
~~✓ Schulkens Pond~~ (Found to be non-existent
from examination of nine-
lens photographs.)
✓ Simmons Bay
✓ Simmons Bay Creek
✓ Snake Island
✓ Snake Island Road
✓ South Old Dock
✓ Sweetgum Island
✓ The Fish Ponds
✓ Waccamaw River
✓ White Marsh

✓ Bogue Swamp
✓ Mark Pine (Settlement)
✓ Simmons Bay (")

LIST OF GEOGRAPHIC NAMES

Disputed

Recommended

Old Dock

Disputed

Old Pond

FIELD EDIT REPORT
T-8188
PROJECT 284

46. The field edit was accomplished by visual inspection, making all additions and deletions on the map manuscript in the field and transferring all the detail to a smooth copy while inking.

The following color scheme was used:

FEATURES	COLORS
Additions, bench marks, wye level elevations and crosses	RED
Deletions	GREEN
Drainage features	BLUE
Contours	BROWN
Civil boundaries	VIOLET

47. The detail on this map manuscript is believed to be complete and adequate.
48. A horizontal accuracy test was run in this quad, and in T-8189 also.

Vertical accuracy tests are the subject of a special report for Project CS - 284. *Test was made on T-8188.*

Submitted by

Louis Levin phot.

Louis Levin
Photogrammetric Aid

Approved and Forwarded

F. L. Gallen

F. L. Gallen
Chief of Party

Remarks

	Remarks	Decisions
1		U.S.G.B.
2		341785
3		"
4		"
5		"
6		"
7		"
8		"
9	<i>not shown</i>	340785
10	Apparently belongs to south of this quadrangle	341785
11	<i>not shown</i>	"
12		"
13		"
14		"
15		342785
16		341785
17		"
18		"
19	<i>not shown</i>	"
20		"
21		"
22		"
23	Pending with USGB	"
24		"
25		341786
26	<i>not shown</i>	"
27		"

GEOGRAPHIC NAMES

Survey No. T-8188

OLD DOCK quadrangle

No. 1 Name on Survey

	A.	B.	C.	D.	E.	F.	G.	H.	K.	
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
<u>Waccamaw River</u>	✓									1
<u>White Marsh</u>	✓									2
<u>Juniper Creek</u>	✓									3
<u>Little Swamp</u>	✓									4
<u>Little Swamp Bridge</u>	✓									5
<u>Gum Swamp</u>	✓									6
<u>Gum Swamp Run</u>	✓									7
<u>Cross Swamp</u>	✓									8
<u>Gore Creek</u>	✓									9
<u>Gore Creek Bridge</u>	?									10
<u>Marlow Branch</u>	✓									11
<u>Juniper Creek Bridge</u>	✓									12
<u>Crusoe Road</u>	✓									13
<u>Crusoe Island</u>	✓									14
<u>Boggy Swamp</u>	✓									15
<u>Snake Island Road</u>	✓									16
<u>Snake Island</u>	✓									17
<u>Bear Branch</u>	✓									18
<u>Bear Branch Bridge</u>	✓									19
<u>Cliffton Island</u>	✓									20
<u>Cliffton Bridges</u>	✓									21
<u>Pine Island</u>	✓									22
<u>Old Dock</u>	✓									23
<u>South Old Dock</u>	✓									24
<u>Old Dock Road</u>	✓									25
<u>Rachael Island</u>	?	where								26
<u>Simmons Bay</u>	?									27

T-8188

No. 2
Decisions

Remarks

	Remarks	Decisions
1	<i>not shown</i>	340785
2	According to descriptive report, feature found not to exist.	341786
3		342786
4		342785
5		342786
6		"
7		"
8		"
9		340783
10		342785
11		341785
12		342785
13		"
14		341785
15		
16		
17		
18		Road Maps
19	To be checked on county Census Office maps.	
20	"	
21	"	
22	"	
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8188

No. 2

Name on Survey

	A	B	C	D	E	F	G	H	K
	On Chart No.	On previous survey No.	On U. S. Quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
Simmons Bay Creek	✓								1
Schulkens Pond	?								2
Mark Pine Bay	✓								3
Mark Pine Canal	✓								4
Honey Field	✓								5
Hallsboro Road	✓								6
Lee Lake	?								7
Lee Lake Bridges	✓								8
Green Swamp	✓								9
The Fish Ponds	✓								10
Fish Pond Road	✓								11
River Swamp	✓								12
Buck Island	✓								13
Sweetgum Island	✓								14
									15
Columbus County	✓								16
Brunswick County	✓								17
State Highway No. 130	✓								18
Waccamaw Twp.	✓	(Brunswick Co.)							19
Lees Twp.	✓	(Columbus Co.)							20
Bogue Twp.	"								21
Bolton Twp.	✓	"							22
									23
									24
									25
									26
									27

Names underlined in red approved
by L. A. Heck on 9/21/31

RECORDS

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 planetable 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 templates) 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 "blue-line" 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.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8188

OLD DOCK QUADRANGLE

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

For a report on the horizontal accuracy test No. 2 which extends onto this quadrangle see descriptive report 8187. The vertical accuracy test showed the tested area to be within $\frac{1}{2}$ contour interval and to be satisfactory.

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 which cover 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 is no nautical chart which covers 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 August 25, 1943 By Robert Collier
under direction of D. H. Benson *per R.M.*

Inspected by B. G. Jones *B.G. Jones 11/16/45*

Examined and approved:

K.T. Adams
Chief, Surveys-Branch
Division of Photogrammetry

Chief, Topography Section

Robert W. Knox
Chief, Div. of Charts
Nautical Chart Branch

Raymond B. Gorman
Chief, Div. of Coastal
Surveys