

8301

Original

8301

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-8200 & T-8301</u> (Combined)
LOCALITY	
State <u>Virginia</u>	
General locality <u>Cape Henry</u>	
Locality <u>Lynnhaven Roads</u>	
<u>1944</u>	
CHIEF OF PARTY	
<u>Fred. L. Peacock</u>	
LIBRARY & ARCHIVES	
DATE _____	

DATA RECORD

T- 8300 and 8301

Quadrangle (II): 2-7½ min. (Combined) Project No. (II): C. S. 289

Field Office: Suffolk, Va. Chief of Party: F. L. Gallen

Compilation Office: Balto. Md. Chief of Party: Fred. L. Peacock

Instructions dated (II III): Copy filed in Descriptive
Mar. 13, Oct. 20, and Nov. 25, 1943 Report No. T- (VI)
Jan. 18, 1944

Completed survey received in office: 4/44

Reported to Nautical Chart Section: 4/44

Reviewed: 5/44 Applied to chart No. Date:

Redrafting Completed: 6/44

Registered: 6/46 Published: 5/45

Compilation Scale: 1:20,000 Published Scale: 1:25,000

Scale Factor (III): None

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

Reference Station (III): Fort Story, 1932

√Lat.: 36 55' 15.107" (465.7m) Long.: 76 00' 33.420" (827.2m) Adjusted
~~Unadjusted~~

State Plane Coordinates (VI): *Virginia State Grid*

X = 2,728,038.69 ft. Y = 2,235,121.18 ft.

Military Grid Zone (VI) "A"

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
12556	11/28/42	11:25 A. M.	1:20,000	1.8 above M.L.W.
12557	"	11:27	"	1.8 " "
12558	"	11:30	"	1.8 " "
12559	"	11:32	"	1.8 " "
12560	"	11:35	"	1.8 " "
12565	"	11:49	"	1.9 " "
12566	"	11:51	"	1.9 " "
12567	"	11:54 A. M.	"	1.9 " "

Tide from (III): Predicted tables, Reference Station Hampton Roads, with time corrections for Lynnhaven Inlet, Va.

Mean Range: 2.0 ft. Spring Range: 2.4 ft.

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

Field Inspection by: Walter Doeringsfeld	date: Dec. 1943
Contouring: Glen B. Woolley and Henry M. Eldridge	Dec. 1943
	Jan. 1944

Field Edit by:	date:
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Date of Mean High-Water Line Location (III):
Same as date of nine lens photographs

Projection and Grids ruled by (III) J.T.B. & P.J.H. date: 2/21/44

" " " checked by: B.R.C. & L.V.E. 111 date: 2/22/44

Control plotted by: J. Edward Deal Jr. date: 2/25/44

Control checked by: Jos. Steinberg date: 2/26/44

Radial Plot by: J. Edward Deal Jr. & Jos. Steinberg date: 3/3 to 3/8/44

Detailed by: Mildred M. Trautman date: 3/10 to 3/21/44

Reviewed in compilation office by:	date:
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Elevations on Field Edit Sheet
checked by: Lillian A. Lee

date: 5/13/44

STATISTICS (III)

Land Area (Sq. Statute Miles): 22

Shoreline (More than 200 meters to opposite shore): 28 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 13 Statute Miles

Number of Recoverable Topographic Stations established: 17
(11 of which are Bench Marks)

Number of Temporary Hydrographic Stations located by radial
plot: None

Leveling (to control contours) - miles:

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:

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S.289 A, 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.

FIELD INSPECTION REPORT
Quadrangle T-8301
Project CS-239
F.L. Gallen Chief of Party

1. The area covered by this quadrangle in general is very flat and low in elevation, except for the sand dunes that are found near the shore line and inside the Seashore State Park and the Fort Story Reservation. The highest sand dune found in the quadrangle has an elevation of about 101 feet.

Drainage for this quadrangle follows a well defined pattern. Lynnhaven Inlet carries the heaviest load of the drainage for the area, which empties into the Chesapeake Bay to the North of the area. Western Branch, Eastern Branch, Broad Bay and Long Creek make up the rest of the drainage for the area. A large swampy area was found between the sand dunes along the shore line of Chesapeake Bay and the dunes found along the Northeast shore of Broad Bay.

The area is very thickly populated along the beach except in the Fort Story Reservation. The area, between Broad Bay and Lynnhaven Bay is about all farm land, and also between the Western Branch and Lynnhaven Bay.

Fort Story, an Army Military Reservation lies along the Northeastern portion of the quadrangle and the Seashore State Park lies just southwest of Fort Story.

There are good roads throughout the entire area.

2. 2 to 18 incl. see the report for quadrangle T-8299.
19. The quadrangle joins the Chesapeake Bay on the North and the Atlantic Ocean on the East. The junction to the south with quadrangle T-8299 and to the west with quadrangle T-8302 are on overlapping photographs. The junctions have been checked in the field and should be found to be correct.

Submitted by

Henry M. Eldridge per F.L.G.
Henry M. Eldridge
Sr. Photogrammetric Aid

Approved and forwarded

F.L. Gallen

F.L. Gallen
Chief of Party

26-CONTROL:

The Field Inspection Party recovered and identified on the nine lens field inspection photographs the following U. S. Coast & Geodetic triangulation stations

Cape Henry Lighthouse, 1869, 1939 - newly plotted - to be shown
CAPE HENRY LIGHTHOUSE, 1887, r 1932
FORT STORY, 1932
HYGEIA INN, 1929
VAN, 1941
CAVALIER HOTEL CUPOLA, 1929 *off quad*
SIGNAL MAST, CAPE HENRY WEATHER BUREAU SIGNAL STATION, 1939 *in con -*
GRANITE "C" OBSERVATION TOWER, 1939 } *confidential file*
EMERSON "A" OBSERVATION TOWER, 1939 }
Bayville chimney, 1912 - not to plot or show.

All of the above triangulation stations were used to establish photograph centers, secondary, and detail points.

27-RADIAL PLOT:

The radial plot for this Map Manuscript is part of the Main Radial Plot No. 1 of Project C. S. 289 for which the descriptive report was submitted to the Washington Office on March 9, 1944. *It was attached to descriptive report T-8287.*

28-DETAILING:

The field inspection data furnished the Compilation Office for this Map Manuscript was very satisfactory. All of this data was transferred to the nine lens office photographs and then detailed directly from the office photographs to the Map Manuscript. All drainage and limits of marsh areas were verified by stereoscopic examination of the office photographs.

The high water line was detailed from stereoscopic examination of the office photographs with the aid of field inspection data.

The Compilation Office was furnished a plan of Fort Story by the Field Inspection Party. This plan was sent to the Washington Office and a reduction to a Scale of 1:20,000 was made. The detail appearing in this reservation was then transferred from the reduced plan to the Map Manuscript, by using common detail, appearing on the nine lens office photographs, for orientation.

A plan of Virginia Beach was furnished the Compilation Office by the Field Inspection Party. The portion of Virginia Beach falling in the area of this Map Manuscript was detailed directly from the nine lens photographs using the above plan to verify the interpretation of existing streets.

29-SUPPLEMENTAL DATA:

The following previous topographic surveys covering the area of Surveys Nos. T-8300 and T-8301 have been made by the U. S. Coast & Geodetic Survey

T-507	1852	1:20,000
T-753	1859	1:20,000
T-1462b	1877 to 1905	1:20,000
T-1659	1844 to 1905	1:20,000
T-2699	1905	1:20,000
T-3647	1916	1:30,000
T-3658	1916	1:30,000
T-4139	1925	1:20,000

Copies of these surveys were not available to the Compilation Office.

In addition the Field Inspection Party furnished the Compilation Office the following plans.

Map of Virginia Beach & Vicinity Scale 1 In. equals 1250 ft.
Map of the Town of Virginia Beach Scale: 1 In. equals 200 ft.
General plan of Fort Story, Va. Scale 1 In. equals 200 ft.

30-MEAN HIGH-WATER LINE:

The stage of tide of all the photographs used in the process of detailing this Map Manuscript was computed and found to be just below Mean High-Water.

The high-water line was interpreted by stereoscopic examination of the nine lens photographs with the aid of field inspection data and detailed accordingly.

31-LOW-WATER and SHOAL LINES:

The approximate low-water and shoal lines were detailed from examination of the office photographs. The Field Inspection Party did not furnish any data on approximate low-water and shoal lines within the area of this Map Manuscript.

32-DETAILS OFFSHORE FROM THE HIGH WATER LINE:

Several marsh islands in Lynnhaven Bay have been detailed in accordance with field inspection data.

A wreck above high-water shown on the nautical charts off Lynnhaven Inlet is not visible on the nine lens photographs or shown by field inspection data. An appropriate note has been lettered on the discrepancy overlay asking that this wreck be investigated during the field edit.

33-WHARVES AND SHORELINE STRUCTURES:

All piers, wharves and other shoreline structures indicated by field inspection data and those not indicated by field inspection data but appearing on the nine lens office photographs have been detailed and labeled.

34-LANDMARKS AND AIDS TO NAVIGATION:

See Paragraph 11 of the Field Inspection Report for Survey No. T-8299

35-HYDROGRAPHIC CONTROL:

Seventeen recoverable topographic stations were established by radial intersections. The following six are considered of excellent value for partial control for any future hydrographic survey, as long as they remain in position, namely:

- ✓ PARK, 1944
- ✓ HUNT, 1944
- ✓ SURF, 1944
- ✓ CASE, 1944
- ✓ WAT, 1944
- ✓ ZEE, 1944

The following eight have limited value as partial control for any future hydrographic survey as long as they remain in position, namely:

B.M. J 288	B. M. P T S No. 3 (U. S. G. S.)
B.M. K 288	B. M. Q 288
B.M. L 288	B. M. No. 14 (U.S.G.S.)
B.M. M 288	B. M. R 288
B.M. N 288	

The remaining three recoverable topographic stations which are Bench Marks are considered to be too far inland to be of any value for future hydrographic surveys.

36-LANDING FIELDS AND AERONAUTICAL AIDS:

There are no landing fields within the limits of this Map Manuscript and the aeronautical aids are of a secret nature and have not been shown.

37-DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared to accompany this Map Manuscript. On it are such notes as are deemed likely to be of assistance during the field edit. A set of general notes are included to aid in the interpretation of the symbols shown

37-DISCREPANCY OVERLAY (Continued)

on the Map Manuscript. Probable cable areas are also shown. Very little additional information is requested for the completion of this Map Manuscript.

38-GEOGRAPHIC NAMES:

The results of a geographic name investigation have been furnished the Compilation Office on the U. S. Geological Survey Cape Henry, Va. Quadrangle. No disputed names appear in the area of this Map Manuscript. A few names have been recommended for deletion. All geographic names other than those recommended for deletion have been shown on the Map Manuscript. A list of undisputed geographic names is attached to this descriptive report.

39-HORIZONTAL ACCURACY:

The horizontal accuracy of this Map Manuscript is believed to be within the limits set forth, for well defined and less well defined points of detail for War Mapping Map Manuscripts.

40-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.

42-JUNCTIONS:

The following satisfactory junctions have been made:

To the West with Map Manuscript for Survey No. T-8302
To the South with Map Manuscript for Surveys Nos. T-8298
and T-8299

To the North is Lynnhaven Roads
To the East is the Atlantic Ocean

44-COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Comparison was made with the U. S. Geological Survey Cape Henry, Va. Quadrangle; Due to scale difference only a visual comparison was made. Common detail seemed to be in general fair agreement.

45-COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Nautical Chart No. 481 reissued Apr. 1938

45-COMPARISON WITH NAUTICAL CHARTS: (Continued)

and revised to Oct. 10, 1943, Scale 1:20,000

The entire high-water line east of Lynnhaven Inlet is in disagreement with that shown on the Map Manuscript. Differences also occur in the high-water line of Long Creek, Broad Bay, Pleasure House Creek, and Lynnhaven Bay.

Fish House Island shown as an island above high-water on the chart appears as a marsh island on the Map Manuscript.

Common roads and other common detail are in general fair agreement.

Comparison was also made with Nautical Charts Nos. 1222 and 1227, Scale 1:80,000. Due to scale difference only a visual comparison could be made. Common topographic features seem to be in general fair agreement.

Respectfully submitted
April 18, 1944

Mildred M. Trautman
Mildred M. Trautman
Jr. Photogrammetric Aid

Map Manuscript, Discrepancy
Overlay and Descriptive report
Reviewed by:

Wm. H. VanLoon
Wm. H. VanLoon
Principal Photogrammetric
Engineering Aid

Compilation of Map Manuscript
Supervised by:

Joseph Steinberg
Jos. Steinberg
Ass't. Photogrammetric Engineer

and
J. Edward Deal Jr.
J. Edward Deal Jr.
Ass't. Photogrammetric Engineer

Approved and Forwarded
April 21, 1944

Fred. L. Peacock
Fred. L. Peacock
Commander C.&.G.S.
Officer-in-Charge
Baltimore Photogrammetric Office.

LIST OF GEOGRAPHIC NAMES

Undisputed

✓Alanton	✓Log House Point
✓Avery's Island	✓London Bridge Road
✓Bay Colony	✓Long Creek
✓Bayville	✓Lynnhaven Bay
✓Bayville Creek	✓Lynnhaven Inlet
✓Broad Bay	✓Lynnhaven Roads
✓Brock Cove	✓Lynnhaven Shores
✓Cape Henry	✓Mapps Island
✓Cape Henry Coast Guard Station	✓Mapps Point
✓Caraway Point	✓Mill Dam Creek
✓Carter Point	✓Mink Hill
✓Cavalier Park	✓Mud Creek
✓Cola (delete)	✓Norfolk & Southern (electric)
✓Crystal Lake	✓North Linkhorn Park
✓Deep Cove	✓Ocean Park
✓Dix Inlet	✓Parker Cove
✓Eastern Branch	✓Pleasure House Creek
✓Fish House Island	✓Pleasure House Point
✓Forest Hills	✓Poor House Cove
✓Fort Story (Military Reservation)	✓Poor House Road
✓Granite	✓Rainey Gut
✓Great Neck	✓Sandy Point
✓Great Neck Road	✓Sand Pit
✓Hill Point	✓Seashore State Park
✓Hog Pen Neck	✓Shore Drive
✓Hollis (delete)	✓The Desert
✓Inlet	✓The Narrows
✓James Fishery	✓Thoroughgood Cove
✓John A. Lesner Bridge	✓Western Branch
✓Kneeling's Drain	✓Witch Duck Bay
✓Lake Joyce	✓Witch Duck Point
✓Lakeside (delete)	✓Witch Duck Road
✓Linkhorn Bay	✓White Hill Lake
✓Little Neck	✓White Hill

FIELD EDIT REPORT
TO ACCOMPANY
QUADRANGLES T-8300 & T-8301 (combined)
PROJECT CS-289 A-1 (South)

46. The field edit was accomplished by visual inspection in the field making all corrections directly on the map manuscript. All bridges have been classified according to instructions. The various field edit notes have been inked on the ozalid copy of the compilation according to the following color scheme:

Additions Black
Deletions Green
Drainage Blue
Contours Brown
Political Districts Violet
Notes on the discrepancy overlay have been checked off in red ink.

47. The compilation is believed to be complete and accurate except for a few minor changes noted on the map manuscript by the field edit party.
10. The wreck referred to in the compilation report appears to have been removed. According to local information this wreck has not been seen by anyone recently and it could not be seen from the shore by the field edit party.
12. Two water tanks near Lynnhaven Roads were located on the map manuscript by the field edit party. Form No. 524 is submitted with this report, for these tanks.
48. A test was made to determine the accuracy of the contours in this quadrangle. A planetable traverse was run on a photograph used for fly-leveling or the location of horizontal control and spot elevations and sections of contours were placed on the photograph. The contours were checked by placing a tracing of the contours from the contour photograph over the test traverse.

The test traverse was run by W. W. Doeringsfeld, Jr., on photograph No. 12560 to test the work of H. M. Eldridge. The results of the test were satisfactory and indicate that the contours in this quadrangle comply with the national standard map accuracy requirements.

The horizontal accuracy tests for this area were run in quadrangles T-8298 and T-8302.

Approved and forwarded

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

Submitted by

Louis Levin per J. L.
Louis Levin
Sr. Photo. Aid

GEOGRAPHIC NAMES

Survey No. T-8301 (includes
also former T-8300

CAPE HENRY quadrangle

Name on Survey

	A	B	C	D	E	F	G	H	K	
Atlantic Ocean	✓									1
Chesapeake Bay	✓									2
Virginia	✓									3
Princess Anne County	✓									4
Lynnhaven District										5
Kempsville District										6
Norfolk Southern R.R.	(not Norfolk & Southern)									7
U.S. No. 60										8
Va. No. 305										9
										10
Crystal Lake										11
Link Hill										12
North Linkhorn Park										13
Bay Colony										14
Cavalier Park										15
Linkhorn Bay										16
Rainey Gut										17
The Narrows	(slanting type, as it is a water feature)									18
Alanton										19
Great Neck	(partly here)									20
Great Neck Road										21
Mill Dam Creek										22
Day Cove	(not Deep Cove)									23
Broad Bay										24
London Bridge Road										25
Hog Pen Neck										26
Avery Island										27

T-8301

1

Remarks

Decisions

1		
2		USGB
3		"
4		
5		
6		
7		Railway Guide
8		Road Maps
9		"
10		
11		368759
12		"
13		368760
14		"
15		"
16		"
17		" USGB
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8301

2	Name on Survey	A	B	C	D	E	F	G	H	K	
✓	<u>Forest Hills</u>										1
✓	<u>Brock Cove</u>										2
✓	<u>Keeling Drain</u>										3
✓	<u>Mappa Island</u>										4
✓	<u>Lynnhaven Bay</u>										5
✓	<u>Pleasure House Point</u>										6
✓	<u>Pleasure House Creek</u>										7
✓	<u>Hill Point</u>										8
✓	<u>Parker Cove</u>										9
✓	<u>Dix Inlet</u>										10
✓	<u>Mappa Point</u>										11
✓	<u>Mid Creek</u>										12
✓	<u>Poorhouse Road</u>										13
✓	<u>Poorhouse Cove</u>										14
✓	<u>Sandy Point</u>										15
✓	<u>Eastern Branch</u>	(only a part of it)									16
✓	<u>Little Neck</u>										17
✓	<u>Western Branch</u>										18
✓	<u>Log House Point</u>										19
✓	<u>Caraway Point</u>										20
✓	<u>Witch Duck Point</u>										21
✓	<u>Witch Duck Bay</u>										22
✓	<u>Witch Duck Road</u>										23
✓	<u>Thoroughgood Cove</u>										24
✓	<u>Bayville Creek</u>										25
✓	<u>Bayville</u>										26
✓	<u>Lake Joyce</u>										27

T-8301

2

Remarks

Decisions

1		368760
2		"
3		"
4		"
5		" USGB
6		"
7		369761
8		368760
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		368761
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		369761 USGB
27		"

GEOGRAPHIC NAMES

Survey No. T-8301

3	Name on Survey	A	B	C	D	E	F	G	H	K	
	<u>Ocean Park</u>										1
	<u>Lynnhaven Roads</u>										2
	<u>Lynnhaven Inlet</u>										3
	<u>Lynnhaven Chores</u>										4
	<u>Fish House Island</u>										5
	<u>Inlet</u>										6
	<u>John A. Losner Bridge</u>										7
	<u>Long Creek</u>										8
	<u>Shore Drive</u> (two places)										9
	<u>James Fishery</u>										10
	<u>Sand Pit</u>										11
	<u>Granite</u>										12
	<u>Water Point</u>										13
	<u>The Desert</u>										14
	<u>Seashore State Park</u>										15
	<u>White Hill</u>										16
	<u>White Hill Lake</u>										17
	<u>Fort Story Military Reservation</u>										18
	<u>Cape Henry</u>										19
	<u>Cape Henry Coast Guard Station</u>										20
	<u>Cape Henry Light</u>										21
											22
											23
											24
											25
											26
											27

Handwritten note:

by L. Heck on 5/14/94

M 234

by L. Heck on 5/16/94

Remarks

Decisions

1		369760: all names
2		through line 21 on
3		this section sheet.
4		USGB
5		
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12		
13		USGB
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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~~-outlines.

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.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8300-8301 (combined)

CAPE HENRY 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

The nearest horizontal accuracy tests were run in quadrangles T-8298 and T-8302.

A vertical accuracy test was run in this quadrangle and found to be satisfactory. See Item 48 in the Field Edit Report enclosed in this Descriptive Report.

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.

T-507	1:20,000	1852
T-753	1:20,000	1859
T-1462b	1:20,000	1877 to 1905
T-1659	1:20,000	1844 to 1905
T-2699	1:20,000	1905
T-3647	1:30,000	1916
T-3658	1:30,000	1916
T-4139	1:20,000	1925

Comparison with Nautical Charts Nos. 481, 1222, 1227

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:

T-8300-01 has been applied to chart 481.

The details of T-8300-01 are complete and adequate for correction of charts 1222 and 1227.

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 May 15, 1944 By Lillian Lee
under direction of D. H. Benson (per D.M.)

Inspected by B. G. Jones B.G. Jones 6/46

Examined and approved:

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

~~Chief, Topography Section~~

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

Raymond C. Egan
Chief, Div. of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8301 (1942-44)
Review-1944

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.