

original

8315

8315

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-8315</u>
LOCALITY	
State <u>Virginia</u>	
General locality <u>Poquoson River & Chesapeake Bay</u>	
Locality <u>Marsh Pt., Drum Pt., Plumtree Pt.</u>	
<u>194 4</u>	
CHIEF OF PARTY <u>F. L. Gallen</u> <u>Fred. L. Peacock</u>	
LIBRARY & ARCHIVES	
DATE	

DATA RECORD

T- 8315

Quadrangle (II): 7½ minute

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):

Mar. 13, Oct. 20; and Nov. 25, 1943

Jan. 18, 1944

Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 5/9/44

Reported to Nautical Chart Section: 5/10/44

Reviewed: 5/27/44

Applied to chart No.

Date:

Redrafting Completed: 6/30/44

Registered: 7/46

Published: 1944

Compilation Scale: 1:20,000

Published Scale: 1:25,000

Scale Factor (III):

Geographic Datum (III): N. A. 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): WHALE, 1934

Lat.: 37° 08' 43.645" (1345.4m) Long.: 76° 19' 44.746" (1104.3) Adjusted
~~Quadrangle~~State Plane Coordinates (VI): *A Harbor Defense Grid is used in place of the State Grid.*

X =

Y =

Military Grid Zone (VI)

A. ✓

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
Nine Lens				
No. 12586	11/28/42	12:15 P.M.	1:20,000	2.2 ft. above M.L.W.
12628(7)	"	1:40 P.M.	"	2.1 ft. above M.L.W.
12628(8)	"	1:40 P.M.	"	2.1 ft. above M.L.W.
12645	"	2:10 P.M.	"	1.8 ft. above M.L.W.
12646	"	2:10 P.M.	"	1.8 ft. above M.L.W.

Tide from (III): Predicted tables, Reference Station, Hampton Roads with correction for Northern Pt., Back River

Mean Range: 2.4 ft.

Spring Range: 2.9 ft.

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

Field Inspection by: Joe. N. Henningsen
Marvin C. Jenkins

date: Dec. 1943
Jan. 1944

Field Edit by:

date:

Date of Mean High-Water Line Location (III): Same as date of photographs

Projection and Grids ruled by (III) J.T.B., P.J.H., B.R.C. **date:** 2/28/44

" " " **checked by:** L.V.E. **date:** 2/28/44

Control plotted by: Ruth E. Rudolph **date:** 3/8/44

Control checked by: Mildred M. Trautman **date:** 3/8/44

Radial Plot by: Jos. Steinberg & J. Edward Deal, Jr. **date:** 4/7 to 4/13/44

Detailed by: Ambrose J. Gibson **date:** 4/18 to 5/6/44

Reviewed in compilation office by: Edward H. Snyder **date:** 5/5 to 5/6/44

Elevations on Field Edit Sheet
checked by: *no field edit at time of review.*

date: 5/27/44

STATISTICS (III)

Land Area (Sq. Statute Miles); $7\frac{1}{2}$

Shoreline (More than 200 meters to opposite shore); 21 Statute Miles

Shoreline (Less than 200 meters to opposite shore); $4\frac{1}{2}$ Statute Miles

Number of Recoverable Topographic Stations established; 7
(6 recoverable hydrographic and topographic stations and 1 bench mark)

Number of Temporary Hydrographic Stations located by radial plot;

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, drive-ways, 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.

SHEET NO. T-8315

Breakdown of Field Completion Operations

Shoreline:--Joe N. Henningsen, Asst. Photo. Eng.--Jan. 1944.
Marvin C. Jenkins, Sen. Eng. Aid.--Jan. 1944.
Recovery and Shoreline Control:--Joe N. Henningsen & Marvin C. Jenkins.
Dec. 1943 and Jan. 1944.

Water

Area.

Joe N. Henningsen

Joe N.
Henningsen

Marvin C. Jenkins

Marvin C. Jenkins

FIELD INSPECTION REPORT
QUADRANGLE T-8315
Project CS-289-A

1. DESCRIPTION OF AREA:

This quadrangle lies wholly in York County, Va. The only land area is located in the southwest corner. The land area in this quad is located in the southwest corner. The land area is a peninsula formed by the junction of Back and Poquoson Rivers. The small towns of Messick and Jeffs, whose inhabitants are fisherman, oystermen, and a few farmers, are located on this peninsula. This land is very low and flat, with the highest point being less than ten feet above sea level. The north and east portion of the peninsula is low marsh land, which belongs to Langley Field, and is used for bombing practice. The marsh is covered by short grass and is cut up by numerous tidewater creeks, which form the entire drainage of this area. A tide of $\frac{1}{2}$ foot above normal high water will cover the greater portion of the marsh. There is only one main highway down this peninsula. It runs from Poquoson to Messick with branches from Messick to both Messick Point and Amory's Wharf. Dwellings are practically all located along this road.

2. COMPLETENESS OF FIELD INSPECTION:

The field inspection is thought to be complete. All topographic features have been classified. The color scheme for buildings that were inked on the topo photographs is as follows: dwellings (red), barns (purple), stores (green), and public buildings (blue). Only the buildings inked in are to be shown on the map drawing. Trails are shown by a dashed line, thus ---, and generally labeled "trail". The drainage and marsh areas inked on the photographs are correct as shown. Highways and roads have been classified and shown on the topo photographs. 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, and any other small items erroneously omitted will be noted by the field edit party.

3. INTERPRETATION OF THE PHOTOGRAPHS:

The photos for this quad are typical to corresponding areas of this type. On the photos the deciduous trees show up a light grayish color and the evergreens a dark gray color. As a whole, the marsh area is easily identified. The highwater line on this marsh area is very difficult to determine since approximately $\frac{1}{2}$ foot of tide above normal high water will cover the greater portion of the marsh. There are a large number of mud flats which have been designated on the photos. 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 part of the photo for this quad.

4. HORIZONTAL CONTROL:

See report for T-8317.

5. VERTICAL CONTROL:

See report for T-8317.

6. CONTOURS AND DRAINAGE:

There were no contours in this quad since the highest elevation was under ten feet. All drainage, which consists mostly of tidal creeks, has been inked on the photo and checked by field inspection.

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

14. ROAD CLASSIFICATION:

See report for T-8317.

15. BRIDGES AND CULVERTS:

See report for T-8317.

16. BUILDINGS AND STRUCTURES:

See report for T-8317.

17. BOUNDARY MONUMENTS AND LINES:

There are no boundary lines or monuments within the limits of this quadrangle.

18. GEOGRAPHIC NAMES:

See report for T-8317.

19. FUNCTIONS:

Functions for contours were not necessary in this locality since elevations were all below ten feet.

20. PHOTOGRAPHS USED:

Photographs used in surveying this area were: Nos. 12628(7), 12645, and 12586.

Approved and forwarded:

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

Submitted by:

Marvin C. Jenkins
Marvin C. Jenkins
Sr. Eng. Aid

26. CONTROL:

The Field Inspection Party recovered and identified on the nine lens field photographs the following horizontal control stations.

Those falling within the limits of the Map Manuscript are:

WHALE, 1934
*MARSH POINT, 1934

Those falling just outside the limits of the Map Manuscript are:

NORTH END POINT SHOAL BN., 1934
BACK RIVER L.H., 1852, r.1932
SHARMAN, 1943
GREEN, 1934
MEARS, 1934
WILL 2, 1934
TAN, 1919, r.1934
STAVE, 1934
POOL, 1941
SHAW, 1934
WILSON, 1934
MOORE R.E. 1, 1934
LEONARD, 1934
SPIT, 1934
CHEESEMAN (8), V.F.C., 1934
CHEESEMAN (5), V.F.C., 1934
YORK PT., 1934
GREEN PT. V.F.C., 1934
BENNETT CREEK BEACON, 1934

In order to make a more satisfactory use of the horizontal control stations, the Field Inspection Party established field inspection points at well defined points near many of the above mentioned stations. However, the field inspection point for triangulation station MARSH POINT, 1934, could not be held and the Washington Office was so notified.

All of the horizontal control stations mentioned except MARSH POINT, 1934, were used to establish photograph centers, secondary, and detail points.

26 CONTROL: (Continued)

In addition, the Compilation Office identified by office inspection YORK SPIT L.H. (Va.), 1900, r.1932. This station is shown on the Map Manuscript.

27 RADIAL PLOT:

The radial plot for this Map Manuscript is part of Main Radial Plot No. 3, Project C.S. 289. The descriptive report for Main Radial Plot No. 3 will be included in the descriptive report for Survey No. T-8316 and will be submitted to the Washington Office in the near future.

28 DETAILING:

There was no appreciable scale difference between the photographs and the Map Manuscript. All detailing was accomplished without the use of the vertical projector and most of the area was covered by center lens chambers of nine lens photographs.

The planimetry shown on this Map Manuscript was delineated by examination of the office photographs with the aid of the field inspection data which was satisfactory.

All drainage less than 20 meters in width has been shown with a blue acid ink line.

Tree areas have been shown with a symbol in green acid ink and labeled "A", "B" or "C", in accordance with instructions from the Washington Office.

A small tip of a marsh point, which would fall on Map Manuscript for Survey No. T-8316, could be shown to better advantage on this Map Manuscript. A note on the discrepancy overlay clearly defines this marsh point.

29 SUPPLEMENTAL DATA:

The following previous surveys, parts of which fall within the area of this Map Manuscript, were made by the U. S. Coast and Geodetic Survey. They are:

29 SUPPLEMENTAL DATA: (Continued)

Survey No.	Date	Scale
T-496	1853-54	1:20,000
T-499	1853-54	1:20,000
T-2749	1906	1:20,000

None of these surveys were available to the Compilation Office.

30 MEAN HIGH-WATER LINE:

The stage of the tide of all 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 detailed from office examination of the nine lens photographs with the aid of field inspection data.

31 LOW-WATER AND SHOAL LINES:

Approximate Low-Water and shoal lines were detailed from office examination of the nine lens photographs with the aid of field inspection data.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

There are no details offshore from the High-Water Line.

33 WHARVES AND SHORELINE STRUCTURES:

All piers, wharves and other shoreline structures indicated by field inspection data, and those not indicated but visible on the office photographs, were detailed.

34 LANDMARKS AND AIDS TO NAVIGATION:

TOWER NO. 1 (Observation) is recommended for a landmark. One aid to navigation, shown on this Map Manuscript, namely: "YORK SPIT L. H. (Va.), 1900, r.1932," is also a U. S. Coast and Geodetic Survey triangulation station. Form 567 is being submitted for the landmark with the descriptive report for Survey No. T-8314.

35 HYDROGRAPHIC CONTROL:

Seven recoverable topographic stations were established by radial intersections, namely:

See
Ch. Letter
in Naut. Chs.
files

35 HYDROGRAPHIC CONTROL: (Continued)

VIN, 1944
DAL, 1944
HEL, 1944
WAY, 1944
PLU, 1944
TOWER No. 1, 1944
B.M. D-266, 1944

All of the above except B.M. D-266 are suitable for partial hydrographic control, as long as they remain in position.

Form 524 is being submitted for each of the seven stations.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

There are no landing fields or recommended aeronautical aids within the limits of this Map Manuscript.

37 DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared to accompany this Map Manuscript. On it are a few notes requesting clarification of planimetry shown on the Map Manuscript. A set of general notes is included to aid in the interpretation of the symbols shown on the Map Manuscript.

38 GEOGRAPHIC NAMES:

The results of a geographic name investigation have been furnished the Compilation Office on the U. S. Geological Survey Hampton, Va., 15 minute quadrangle. Only the undisputed names have been shown on the Map Manuscript. A list of undisputed, disputed, and recommended 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

40 RECOMMENDATION FOR FUTURE SURVEYS: (Continued)

believed to be complete but is subject to field edit for corrections, additions and deletions.

41 REMARKS:

The description, as furnished in the field inspection report, adequately describes the area of this Map Manuscript.

42 JUNCTIONS:

The following satisfactory junctions have been made:

To the West with Map Manuscript for Survey No. T-8315
To the South with Map Manuscript for Survey No. T-8314

To the North and East is the Chesapeake Bay.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Due to scale difference only a visual comparison could conveniently be made with the U. S. Geological Survey, Hampton, Va., 15 minute quadrangle. Some man made changes are evident. Interpretation of the Mean High-Water line (marsh lines), are in disagreement between the Quadrangle and the Map Manuscript. Common planimetric features seem to be in fair agreement.

45 COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart No. 494, reissued Mar. 6, 1944. The Mean High-Water line (marsh lines), are in good agreement.

A shallow bay is shown on the Map Manuscript, in the vicinity of Ware Stick Point, which does not appear on the chart.

Common detail is in good agreement.

Respectfully submitted:
May 6, 1944

Ambrose J. Gibson
Ambrose J. Gibson
Photogrammetric Aid

Map Manuscript, Discrepancy
Overlay and Descriptive Report,
Reviewed by:

Edward H. Snyder
Edward H. Snyder
Senior Photogrammetric Aid

Compilation of Map Manuscript
Supervised by:

Joseph Steinberg
Jos. Steinberg
Asst. Photogrammetric Engineer

and
J. Edward Deal, Jr.
J. Edward Deal, Jr.
Asst. Photogrammetric Engineer

Approved and Forwarded
May 9, 1944

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

GEOGRAPHIC NAMES

Undisputed

~~Bennett Creek~~
~~Blackwalnut Ridge~~
~~Blacksnake Island~~
~~Chesapeake Bay~~
~~Cow Island~~
~~Drum Island Flats~~
~~Easton Cove~~
~~Fire Pine Creek~~
~~Floyds Bay~~
~~Gum Hummock Creek~~
~~Jeffs~~
~~Lloyd Bay~~
~~Marsh Point~~
~~Marsh Island~~
~~Messick~~

~~Messick Road~~
~~Plumtree Point~~
~~Plumtree Island~~
~~Poquoson Flats~~
~~Poquoson River~~
~~Ridge Road~~
~~Rock Creek~~
~~Sandy Bay~~
~~Sheep Island~~
~~Thorofare~~
~~Va. State Highway No. 172~~
~~Ware Stick Point~~
~~Whalebone Island~~
~~White House Cove~~

GEOGRAPHIC NAMES

Recommended

✓ Drum Point

Disputed

Red Drum Point

Delete

✓ Watch House

FIELD EDIT REPORT
TO ACCOMPANY
QUADRANGLE T-8315
Project GS-289A

(1) F. L. Gallen Chief of Party

5. The designation and elevation of each bench mark has been checked on the map manuscript. Fly-level elevations are to be checked by the Washington Office.
46. This quadrangle was field edited on an ozalid print and the results of the field edit were transferred to a duplicate ozalid print in the office. Discrepancies not covered by a suitable symbol were noted by a sentence and an arrow to the point in question.

Deletions Green
Additions, classifications, names, notes
and elevations Black
Political sub-divisions Violet
Notes on discrepancy overlay have been checked off
in red ink.

47. The compiled detail on this quadrangle was adequate with few additions, classifications or deletions necessary. About 1000 feet of shore line was re-run by planetable in ~~Florida~~ ^{Florida} Bay. *stat*
48. There is no horizontal accuracy test in this quadrangle. There is a horizontal accuracy traverse in T-8314 to the south and in T-8316 to the west.

No vertical accuracy test was run in this quadrangle. The land area is small and the maximum land elevation is below the twenty foot contour. A vertical accuracy test was run in T-8316 to the west.

49. The junction with T-8314 to the south has been checked and the following should be added to the map manuscript for T-8314.

At Longitude 76-21.0 the main road leading south by east should be labelled "Rd. 2, State Highway 172".

The junction with T-8316 on the west will be checked when the latter quadrangle is submitted. There are no junctions on the north and east.

Submitted by:

Approved and forwarded by:

F. L. Gallen
F. L. Gallen *ELM*
Chief of Party

William A. Rasure
William A. Rasure *ELM*
Asst. Photo. Engr.

Remarks

Decisions

1		USGB
2		
3		USGB
4		Road Maps
5		Map Manuscript
6		371762
7		"
8		"
9		371763: remaining names
10		all on this section
11		sheet
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GEOGRAPHIC NAMES

Survey No. T-8315

MESSICK quadrangle

1 Name on Survey

	A	B	C	D	E	F	G	H	K	
Virginia			✓							1
York County			✓							2
Chesapeake Bay			✓							3
State Road 172										4
State or County Roads	601,	608,	606,	668						5
Plumtree Point			✓							6
Plumtree Island			✓							7
Thorofare			✓							8
Gum Hammock Creek			✓							9
Fire Pine Creek			✓							10
Ware Stick Point			✓							11
Whalebone Island			✓							12
Drum Point			✓							13
Drum Island Flats										14
Marsh Point			✓							15
Marsh Point										
Boquoson Flats										16
Rock Creek			✓							17
Sandy Bay			✓							18
Lloyd Bay			✓							19
Blacksnake Island			✓							20
Sheep Island			✓							21
Blackwalnut Ridge			✓							22
Cow Island			✓							23
Marsh Island			✓							24
Bennett Creek			✓							25
Easton Cove			✓							26
Ridge Road			✓							27

Remarks

Decisions

1		371763
2		"
3		"
4		"
5		"
6		" USGB
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GEOGRAPHIC NAMES

Survey No. T-8315

GEOGRAPHIC NAMES											
Survey No. T-8315											
2	Name on Survey	A	B	C	D	E	F	G	H	K	
✓	<u>Messick</u>			✓							1
✓	<u>Jeffs</u>			✓							2
✓	<u>Messick Road</u>			✓							3
✓	<u>Floyds Bay</u>			✓							4
✓	<u>White House Cove</u>		(part of)								5
✓	<u>Poquoson River</u>		(mouth of)								6
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Names underlined in red approved
by L. Heck 6/1/47

M 234

Names underlined in red approved
by L. Hecker 6/1/44

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 — Survey 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-8315

MESSICK 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-8314 and T-8316.

The nearest vertical accuracy test was run in quadrangle T-8316.

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-499	1:20,000	1853-54
T-2749	1:20,000	1906

Comparison with Nautical Charts Nos. 494

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:

The details of T-8315 are complete and adequate for chart correction.

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 5/27/44 By John H. Stewart
under direction of D. H. Benson (per D.M.)

Inspected by B. G. Jones B.G. Jones 7/46

Examined and approved:

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

~~Chief, Topography Section~~

Robert W. Stewart
Chief, Div. of Charts
Nautical Chart Branch ^{Fr.}

Raymond P. Egan
Chief, Div. of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8315

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.