

8346

Diag'd. on diag, ch. No. 78-3

Form 594

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic Quadrangle

Field No. SAMOS Office No. T-8346

LOCALITY

State Virginia

General locality West of Rappahannock
River

Locality 15 mi. NW of Urbanna

1946

CHIEF OF PARTY

Comdr. K. T. Adams

LIBRARY & ARCHIVES

DATE January 2, 1948

B-1270-1 (1)

8346

Samo. ind

DATA RECORD

T- 8346

Quadrangle (II): SAMOS, 7 $\frac{1}{2}$ -min. Project No. (II): 289W-1

Field Office: Washington Office Chief of Party: K. T. Adams

Compilation Office: Washington Chief of Party: K. T. Adams

Instructions dated (II III):

Copy filed in Descriptive
Report No. T-8339 (VI)See field inspection report copy,
filed in descriptive report for T-8339

Completed survey received in office: ✓

Reported to Nautical Chart Section: ✓

Reviewed: *July 31, 1946*
L. T. Stevens

Applied to chart No.

Date:

Redrafting Completed: ✓

Registered: *9/47*

Published: ✓

Compilation Scale: 1:20,000

Published Scale: 1:25,000

Scale Factor (III): 1.0

Geographic Datum (III): N.A. 1927

Datum Plane (III): MSL

Reference Station (III): JAMAICA, 1942

Lat.: *37°44'14".347*Long.: *76°40'13".088*Adjusted
~~Unadjusted~~

State Plane Coordinates (VI): Virginia South State Grid

X = *2,529,089.67*Y = *516,301.81*Military Grid Zone (VI) *A and B*

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
12882 - 84	12-31-42	11:36	1:20,000	0.2 ft.
12919 - 22	12-31-42	12:30	1:20,000	

Tide from (III): Urbanna - Reference Station Hampton Roads

Mean Range: 1.6 ft.

Spring Range: 1.9 ft.

Camera: (Kind or source)

U.S.C. & G.S. Nine-lens Camera

Field Inspection by: Comdr. Ray L. Schoppe
Vertical Control by H. R. Cravat

date: 1944
Summer, 1945

Field Edit by: *Robert A. Howard*

date: *June 3 - July 3, 1946*

Date of Mean High-Water Line Location (III): 1944

Projection and Grids ruled by (III) Ruling Machine, date: Aug. 1945
S. Rose

" " " checked by:

date:

Control plotted by: A. H. Faulds

date: June 1945

Control checked by: G. B. Willey

date: June 1945

Radial Plot by: A. H. Faulds & G. B. Willey

date: June 1945

Detailed by: Stereocartograph; W. D. Harris
O. N. Dalbey

date: Jan. 1946

Reviewed in compilation office by:

date:

~~Elevations on Field Edit Sheet~~

checked by: *LENA T. Stevens*

date: *July 1946*

STATISTICS (III)

Land Area (Sq. Statute Miles); 59 sq. mi.

Shoreline (More than 200 meters to opposite shore); 1 mi.

Shoreline (Less than 200 meters to opposite shore); 3 mi.

Number of Recoverable Topographic Stations established; None

Number of Temporary Hydrographic Stations located by radial plot; None

Leveling (to control contours) - miles; about 70 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;

STATEMENT TO ACCOMPANY DESCRIPTIVE REPORT T-8346

1. This summary of survey methods used and the method of handling T-8346 and adjoining quadrangle is provided for the convenience of those processing and using the map in the future.

2. The several mapping operations were:

- (a) Nine-lens aerial photography and laboratory processing.
- (b) Field surveys for identification of shoreline, clarification of photographic details, and establishment and identification of horizontal control.
- (c) Compilation of planimetry and contours on a 1:20,000 scale manuscript by stereoscopic instrument methods.
- (d) Preliminary office review of the compiled manuscript.
- (e) Field edit and accuracy tests.
- (f) Final office review of the manuscript to insure completeness and conformance with specifications. This included correction of the manuscript in accordance with the field edit survey.
- (g) Drafting, reproduction, and publication. See paragraph 3.
- (h) Registry in archives. See paragraph 4.

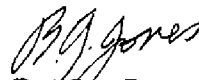
3. T-8346 and the adjoining quadrangles will be smooth drafted, published, and distributed by the Geological Survey in accordance with the agreement of March 25, 1947.

4. The following data for T-8346 may be needed from time to time either in the U. S. Geological Survey or the Coast and Geodetic Survey. They are filed and may be obtained as follows:

- (a) Original manuscript corrected after field edit. - The manuscript is being forwarded to the Geological Survey at this time for smooth drafting. It

will be eventually returned to the Coast and Geodetic Survey and will be filed in the Division of Photogrammetry. Meanwhile, it may be obtained from the Geological Survey if needed for nautical chart correction or other purposes.

- (b) Field edit sheet. - The field edit sheet is filed in the Division of Photogrammetry. It will be loaned to the Geological Survey or other divisions of the Coast Survey upon request.
- (c) Descriptive report. - The descriptive report together with a 1:20,000 scale photographic print of the manuscript (a above) is being registered in the Coast and Geodetic Survey archives at this time. When T-8346 is published a cloth-backed colored print will also be registered. The descriptive report will be withdrawn from the archives and loaned to the Geological Survey upon request.



B. G. Jones
Technical Assistant to the
Chief, Div. of Photogrammetry

COMPILATION REPORT T-8346

26. Control. - A discussion of the control for the radial plot of this area is filed in the descriptive report for T-8347.

Vertical Control. - Eighty miles of spirit levels and trigonometric levels furnished the vertical control for the compilation of this sheet by the stereocartograph. These levels were run on roads which were well spaced and provided adequate control.

27. Radial Plot. - See the descriptive report for T-8347 for report on the radial plot which covers this area.

28. Detailing. - The methods used in detailing this sheet were the same as those used on T-8347 and a discussion of them is filed in the descriptive report of T-8347. The stereocartograph was used for plotting both planimetry and topography.

30. Mean High-Water Line. - This sheet has only about 3 miles of shoreline on tide-water. The range of tide is less than 2 feet so that the low and high water lines are essentially the same.

44. Comparison to existing topographic quadrangles. During the compilation of this sheet frequent reference was made to the U. S. G. S. quadrangle Urbanna, 1:62,500, 1917, and a remarkable resemblance was found to exist between them with no serious disagreements.

Wm. D. Harris

April 26, 1946

G. B. Jewniskel

FIELD EDIT REPORT

T-8346, Samos Quadrangle (3737.5/7637.5/7.5)

Project CS 289 W-1

Robert A. Horn, Chief of Party

The field edit survey was made by Robert A. Horn, Topographic Engineer, between June 3, 1946 and July 3, 1946 in accordance with The Director's Field Edit Instructions dated August 24, 1945.

46. Methods

Roads, structures, contours, and drainage were checked by riding or walking over all passable roads in this quadrangle. The shoreline and off-shore details were checked by walking along the shore or observing from a strategic position where a large portion of the shoreline would be visible. Geographic names and political boundaries were checked with local residents, posted signs, and county records. Three vertical accuracy tests were made using the approved procedures for their completion.

All results of the field edit survey are shown on the field edit sheet, or reference is made on this sheet to a photograph on which the correction or addition can be determined. The positions of such details on the field edit sheet are approximate. Reference should be made to the photograph indicated for exact locations.

Information obtained during the field edit survey is as follows:

4. Horizontal Control

Station "PTS 4, U.S.G.S., 1916", located in the southeast section of this quadrangle, is not shown in its proper relative position. Either this station or road # 603 has not been delineated correctly. The station is approximately 45' north of the centerline of road # 603, and 90' east of the centerline of U.S. Route # 17

5. Vertical Control

Bench Mark M-275, located at Lat. 337-41 and Long. 76-43, should be shown in the northwest corner of the intersection of an abandoned road with road # 602. It had been indicated south of road # 602.

6. Contours and Drainage.

The contours on this sheet portrayed the relief quite adequately despite the fact that the accuracy tests indicate a less favorable result. Minor adjustments were made on several contours, and two isolated contours were added on areas of a comparatively flat top nature.

370 44' / 76° 43'
370 43' / 76° 40'

Accuracy test
Not unfavorable
able to see
see page 16

The majority of the side drains, i.e., branches off the main drain, were narrow and deep. A slight deviation in the location of the drain resulted in the contours being in error considerably, which was the case in the vicinity of Accuracy Test # 1.

9. Wharves and Shoreline Structures.

There were no wharves or shoreline structures noted on this sheet. The shoreline area is very limited in extent.

10. Details Off-Shore from High Water Line.

No off-shore details were noted.

11. Landmarks and Aids to Navigation.

There are no landmarks or aids to navigation to be located on this sheet.

14. Road Classification.

Many roads indicated as being indefinite were deleted. For the most part they were abandoned logging roads. Many roads were reclassified in accordance with The Director's Instructions.

15. Bridges.

A few bridges were added, and in most every case an indication made to show a symbol for a bridge.

16. Buildings and Structures.

With the accelerated construction in progress it was necessary to add a large number of buildings. Many of them are the old buildings which had been deleted on interior or field inspection, but now due to their improvement warrant being shown on the sheet.

17. Boundary Monuments and Lines.

There are two discrepancies corrected in County Lines. One is the Essex County-Middlesex County Line in the northwest sector of the quadrangle. The other is the King and Queen County-Middlesex County Line in the south central sector of the sheet. This line continues down Dragon Run. Both corrections are shown on the sheet. The accuracy of said changes have been verified by the following:

1. Mr. David Holyfield, Office of Resident Engineer, Department of Highways, Saluda, Virginia.
2. Mr. DeBusk, County Farm Agent, ~~Soil Conservation Service~~, Saluda, Virginia
3. Mr. C.W. Eastman, County Clerk, Courthouse, Saluda.

18. Geographic Names.

There are several changes to be made in names on this sheet. Most of them are simply an additional word to give the complete name of a church. These names were confirmed by cornerstones, signs, and local residents. There were not any disputed names found. The list of recommended changes are as follows:

Change:

1. Shiloh Baptist Church to Union Shiloh Baptist Church.
References 1 & 2
2. Bethel Church to Bethel Methodist Church.
References 1 & 2
3. Metropolitan Church to Metropolitan Baptist Church.
References 1 & 3
4. Change the location of Farley Park Corner from Long. 76-39.2 to Long. 76-40.5.
References 4 & 5

List of References:

1. Mr. Douglas C. Daniel, Farmer, Jamaica P.O., Virginia.
2. Mr. R.B. Croxton, Farmer, Jamaica P.O., Virginia.
3. Mrs. T.H. Lamberth, Storekeeper, Samos P.O., Virginia.
4. Mr. Walter Bristow, Farmer, Warner P.O., Virginia.
5. Mr. W.G. Culliton, Farmer, Warner P.O., Virginia.

47. Adequacy of Compilation.

Other than the few discrepancies noted on the sheet the compilation appears adequate and complete in this quadrangle.

49. Review of First Proof.

Mr. E.M.DeBusk, County Farm Agent, Saluda, Virginia has been requested to review one of the first proofs of this quadrangle. Mr. DeBusk works daily in and about this area and is consequently very familiar with the locality. It is felt that he is well qualified to make the review.

Respectfully submitted,

Robert A. Horn

Robert A. Horn
Topographic Engineer

GEOGRAPHIC NAMES

Survey No.

T-8346

SAMOS 7 1/2' quadrangle

1 Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Virginia</u>									USGB	1
<u>Middlesex County</u>	<u>Saluda District</u>			<u>Jamaica District</u>						2
<u>King and Queen County</u>	<u>Stevensville District</u>			<u>Buena Vista District</u>						3
<u>Essex County</u>	<u>Rappahannock District</u>									4
<u>Rappahannock River</u>										5
<u>Dragon Swamp</u>	("swamp" applies to stream rather than to swampy areas along it: not Dragon Run)									6
										7
<u>U.S. No. 17</u>	<u>Tidewater Trail</u>			<u>George Washington Memorial</u>	<u>Highway</u>					8
<u>Forest Chapel</u>										9
<u>Town Branch</u>										10
<u>Warner</u>										11
<u>Farley Park Corner</u>	(at new westerly location)									12
<u>New Dragon Bridge</u>										13
<u>Nickleberry Swamp</u>										14
<u>Mascot</u>										15
<u>Mascot Road</u>										16
<u>Velma</u>										17
<u>Coldwater</u>										18
<u>Coldwater Road</u>										19
<u>Church Swamp</u>										20
<u>Church View</u>										21
<u>Church View School</u>										22
<u>Hermitage Baptist Church</u>										23
<u>Waras Bridge</u>										24
<u>Waras Bridge Road</u>										25
<u>Tim Branch Swamp</u>	(as on T-8347, to westward)									26
<u>Briery Swamp</u>										27

GEOGRAPHIC NAMES

Survey No.

T-8346

2

Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Union Shiloh Baptist Church</u>										1
<u>Union Shiloh School</u>										2
<u>Glebe Landing Church</u>										3
<u>Masons Mill Swamp</u>										4
<u>St Pauls Baptist Church</u>										5
<u>Jamaica</u>										6
<u>Bethel Methodist Church</u>										7
<u>Bayport Road</u>										8
<u>Nesting Road</u>										9
<u>Nesting</u>										10
<u>Mid Creek</u>										11
<u>Parrotts Creek</u>										12
<u>Wyatt Swamp</u>										13
<u>Stove Point Road</u>										14
<u>Samos</u>										15
<u>Corbin Hall Road</u>										16
<u>Metropolitain Baptist Church</u>										17
<u>Mill Road</u>										18
<u>Lagrange Creek</u>										19
<u>Burch Pond</u>										20
<u>Mt. Zion Church</u>										21
<u>Mt. Zion School (Colored)</u>										22
<u>Revis</u>										23
<u>Hilliard Pond</u>										24
										25
										26
										27

Names underlined in red approved

by L. Heck on 6/6/47

Department of Commerce
U. S. Coast and Geodetic Survey

T-8346 Samoa, Va.

Refer to No. 73

LETTER TRANSMITTING RECORDS

Washington, D. C.

TO: The Director
U. S. Geological Survey
Washington, D. C.

Attention: ~~Mr. R. L. Monahan~~ **Mr. Fuesshel**
Chief, Cartography and Editing Section

Records of topographic mapping as listed below were forwarded to you by Messenger on 24 September 24, 1947 for reproduction. Please receipt the original and return it to the Chief, Division of Photogrammetry of this Bureau, and retain the duplicate for your files. The items marked * should be eventually returned to this Bureau for our permanent files.

Samoa Virginia 7 $\frac{1}{2}$ ' Topographic Quadrangle (T-8346)

1 Manuscript

1 Overlay

1 Glass negative *on the floor*

Note: The descriptive report for this map is being used, but will be forwarded on request. Also see attached sheet.

(Signed) Edmund L. Jones

Received the above: Act. Chief, Division of Photogrammetry
Date

Number 11

U. S. Geological Survey

T8346 Sanwa, Va.

Department of Commerce
U. S. Coast and Geodetic Survey

Refer to No. 73

LETTER TRANSMITTING RECORDS

Washington, D. C.

TO: The Director
U. S. Geological Survey
Washington, D. C.

Attention: ~~Mr. R. C. Mousley~~ **Mr. Poeschel**
Chief, Cartography and Editing Section

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Sanwa Virginia 7 1/2' Topographic Quadrangle (T-8346)

- 1 Manuscript
- 1 Overlay
- 1 Glass negative

Note: The descriptive report for this map is being used, but will be forwarded on request. Also see attached sheet.

[Signed] Edmund A. Jones

Received the above: Act. Chief, Division of Photogrammetry
Date

Number 11

U. S. Geological Survey

Samoa Va.

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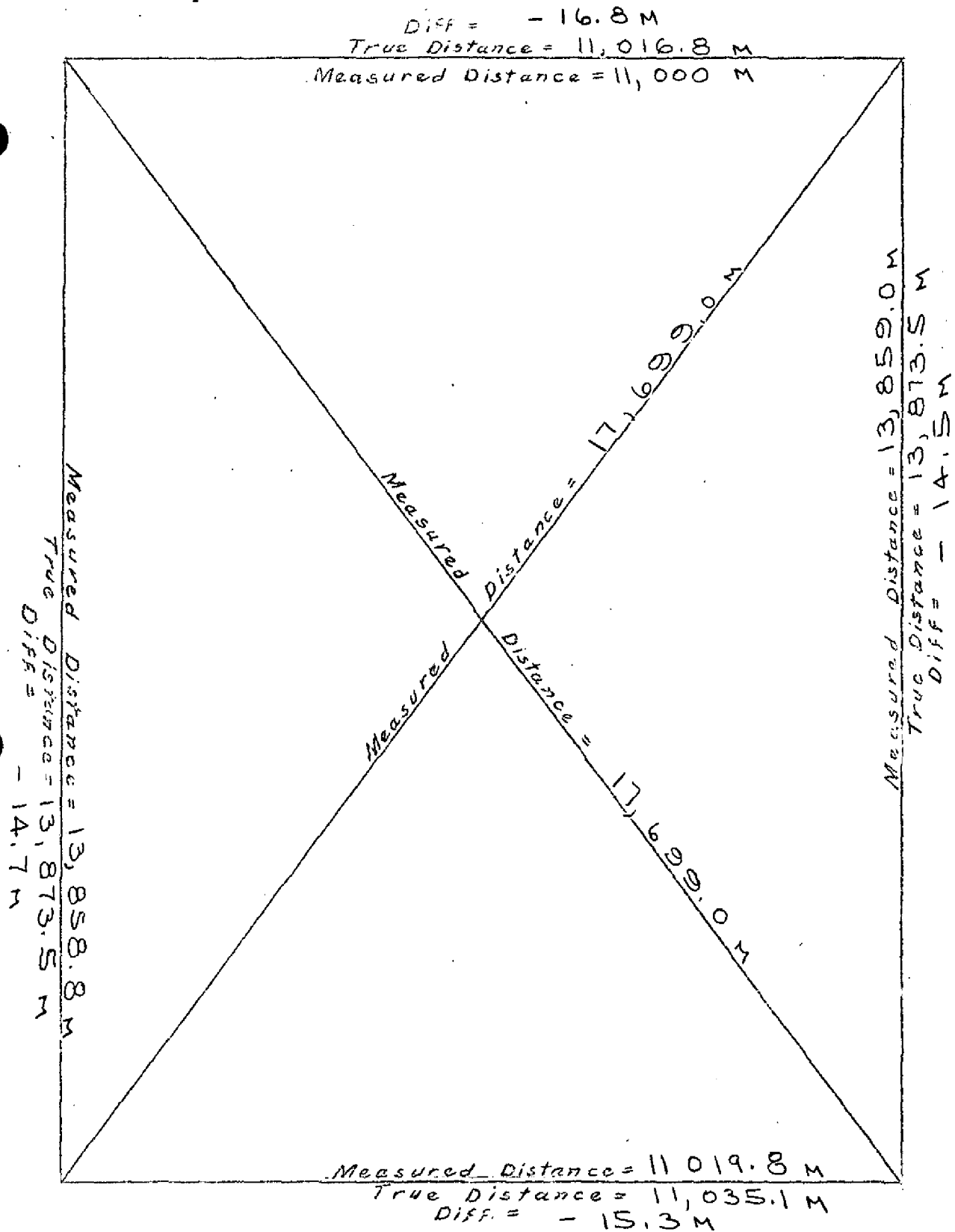
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B. G. Jones
Technical Assistant to the
Chief, Div. of Photogrammetry



Sheet Dimensions

Manuscript No. T-8346

scaled 25 June 1947

by *TRB*

Summary of Vertical Accuracy Tests, T-8346

Three individual areas were tested by plane-table profiles on this map. Two of the tests were across heavily wooded ravines and one in a flat area, but for the most part in woods.

In summarizing the tests, the field editor was not permitted to take advantage of the 0.6 millimeter shift in position permissible in accordance with specifications. The tests were re-examined in this office, and after applying the permissible shift of 0.6 millimeter in position 90 per cent of the test points were correct within $1/2$ contour interval.

Division of Photogrammetry
Review of Topographic Quadrangle T-8346

All headings omitted are not applicable or are fully covered in other sections of this report or the Project Report for Project CS-289W.

26. Control: A discussion of the control used in the radial plot of this quadrangle is filed in the description report for T-8347. A list of the horizontal and vertical control occurring ~~on this map is attached.~~ *is filed in the Descriptive Report envelope.*

27. Radial Plot: The main radial plot is discussed in detail in descriptive report T-8347.

Since the metal-mounted office photos were dismantled for re-use of the metal, they were not available to check the radial plot, or to make additional radial intersection points, for adding detail noted by the field edit man. Field prints were used for making the above checks and additions. The results were felt to be satisfactory.

28. Detailing: In general, the compilation of details were quite complete. All corrections and additions noted by the field edit man (on the field edit sheet and the photographs) were applied to the manuscript by the reviewer.

44. Comparison with Existing Topographic Quadrangles: USGS Urbanna (N.W. 1/4), 1:62,500, 1917 (ed. 1944) contours differ in detail, but not in general interpretation.

The more recent cultural detail on this map manuscript makes the USGS Urbanna Quadrangle map obsolete.

48. Accuracy Tests: Vertical accuracy tests were completed at time of field edit; for results see ~~attached pages.~~ *summary attached to this report.*

This map complies with national map accuracy requirements.

Reviewed by:

Reviewed under direction of:

Lena T. Stevens
Lena T. Stevens, Photogrammetrist
July 31, 1946

Harland R. Cravat
and
Harland R. Cravat, Photogrammetrist
June 1947

S. V. Griffith
S. V. Griffith
Chief, Review Section

APPROVED BY:

M. Jones 10/47
Technical Assistant to the
Chief, Div. of Photogrammetry

K.T. Adams
Chief, Div. of Photogrammetry

[Signature]
Chief, Nautical Chart Br.
Division of Charts

C. J. Green
Chief, Div. of Coastal
Surveys