

8275

8275

Form 504 U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE  <b>DESCRIPTIVE REPORT</b>	
Type of Survey <u>Air Photo Compilation</u>	
Field No. _____	Office No. <u>T-8275</u>
<b>LOCALITY</b>	
State <u>Maryland</u>	
General locality <u>Eastern Shore</u>	
Locality <u>Price</u>	
<u>194 4</u>	
<b>CHIEF OF PARTY</b>	
Ray L. Schoppe - <u>Field</u> Kenneth G. Crosby - <u>Compilation</u>	
<b>LIBRARY &amp; ARCHIVES</b>	
DATE <u>June 24, 1946</u>	

## DATA RECORDED

T- 8275

Quadrangle (II): T-8275

Project No. (II): CS 288 B

## Field Office:

War Mapping Field Party #2

## Chief of Party:

Ray L. Schoppe

## Compilation Office:

Tampa, Florida

## Chief of Party:

Kenneth G. Crosby

Instructions dated (II III):

May 13, 1943

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

Completed survey received in office: 2/15/44

Reported to Nautical Chart Section: 2/16/44

Reviewed: 3/29/44

Applied to chart No.

Date:

Redrafting Completed: 4/29/44

Registered: 5/46

Published: 1944

Compilation Scale: 20,000

Published Scale: 1:31,680

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.S.L. 1929

Reference Station (III): Hope, 1896

Lat.:

Long.:

Adjusted

39° 02' 32.958" (1016.3m) 75° 59' 18.277" (439.5m)

~~Unadjusted~~

State Plane Coordinates (VI): Maryland Single Zone

X = 1,087,316.94 ft.

Y = 441,941.59 ft.

Military Grid Zone (VI) "A"

A

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
12791	Dec. 4, 1942	2:25 P.M.	1:20,000	Inshore Sheet
12792	"	---	"	
12799	"	---	"	
12800	"	---	"	
12801	"	---	"	

Tide from (III); ----

Mean Range; ---- Spring Range; ----

Camera: (Kind or source) U. S. C. & G. S.

Field Inspection by: J. W. Stingley date: October, 1943

Field Edit by: Wendell Bever date: March, 1944

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

Projection and Grids ruled by (III) Washington Office date: June 1943

" " " checked by: " " date: " "

Control plotted by: E. C. Andrews date: Oct. 7, 1943

Control checked by: V. F. Simmons date: " 8, 1943

Radial Plot by: Tampa Office Personnel date: " 20, 1943

Detailed by: M. Rutkin, Ass't Engr. Drafts. date: Nov. 1943 to Jan. 1944

Reviewed in compilation office by: A.L. Kidwell, Jr. Photo. Engr. date: Jan.-Feb. 1944  
J.H.S. Billmyer, Ass't Photo Engr.

Elevations on Field Edit Sheet checked by: C. M. Skinn, Jr., W. Bever date: Mar. 3, 1944

STATISTICS (III)

Land Area (Sq. Statute Miles): 58.0

Shoreline (More than 200 meters to opposite shore): ----

Shoreline (Less than 200 meters to opposite shore): ----

Number of Recoverable Topographic Stations established: ----

Number of Temporary Hydrographic Stations located by radial plot: ----

Leveling (to control contours) - miles: 76.8

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.288B, 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.

DESCRIPTIVE REPORT TO ACCOMPANY  
QUADRANGLE T-8275  
Project CS 288 B  
Ray L. Schoppe, Comdr., Chief of Party

1. Description of the Area. This quadrangle, T-8275, comprises a portion of the central part of the Eastern Shore of Maryland. It is a typical coastal plains area having reached old age in its erosional development. Elevations do not change rapidly, and as a result the contours have a tendency to meander. The higher the elevation the more noticeable is the meandering of the contours. Contours of the lower elevations have a tendency to follow the streams and in turn reflect the shape of the stream valley.

Drainage in this area is very nearly complete, however there are a few instances where drainage is poor, and as a result wet weather swamps have been formed. The depression areas are not large and occur more commonly in the areas of higher elevation, this being due to the fact that the lower elevations being near streams are better drained. The streams are sluggish and drainage is slow. The majority of the streams are intermittent, carrying a large percentage of the precipitated water due to its sandy nature, thus strong evidence of erosion is not found. Elevations range from below 20 to about 80 feet.

Culturally this area is a rural, agricultural region. The settlements are very small, usually limited to a dozen or fifteen dwellings. A large portion of the land is under continuous cultivation. Roads are principally of class four, however there are a few hard-surfaced roads.

2. Completeness of Field Inspection. Field inspection in this quadrangle is complete in the classification of roads, vegetation, buildings and other features.

All roads have been classified according to instructions, and highway numbers shown when obtainable. All dwellings and other buildings have been identified on the photographs and proper deletions made where necessary. All public buildings have been identified and names are shown.

No high-tension power lines were found in this quadrangle.

Political boundaries were located by C. C. Fryer, Junior Topographic Engineer, and are shown on separate photographs. There are no incorporated towns within this quadrangle, thus no corporation limits.

Field inspection was done on the following photographs: nine lens photographs numbered 12790, 12792, 12799, 12800, 12801; and single lens photographs numbered AHW 36 13, AHW 36 15, AHW 36 86, and AHW 36 88.



3. Interpretation of the Photographs. Photographs covering this area are quite easy to interpret, for changes in tone are distinct. The woods are all of the same classification and stand out distinctly on the photograph as a dark mass. The woods, in general, follow the streams and lower elevations. Wet weather swamps inside wooded areas can be distinguished by a slightly darker and heavier tone. Outside of the wooded area nearly all of the land is cultivated. Fence rows are often lined with small cedars, which show as minute black dots on the photograph. Hedge rows show on the photograph as fine dark lines.

Streams in wooded areas are somewhat indistinct, as the tops of the tall trees come together and obscure the stream from view.

Certain open areas give a dappled appearance, which indicates an area of tiny hills and depressions. The depressions normally show up as asymmetrical dark spots.

4. Horizontal Control. Horizontal control for this quadrangle consists of a traverse between Triangulation Station "Roberts (1934)" and Triangulation Station "Hope (1896-97)". This traverse is 9.4 statute miles in length and contains 15 ~~test~~ points within the limits of this quadrangle. For further information concerning this traverse refer to the report on tests for horizontal accuracy for quadrangle T-8281.\*

All stations have been recovered, and pricking cards and pertinent information have been submitted by the recovery party.

~~The horizontal accuracy test for this quadrangle has been previously forwarded. The accuracy test is on T-8281. All points used on this test fell well within the allowable limits. Test traverse was used for a test on this sheet. Error of .5 m.~~

5. Vertical Control. The vertical control which was used for the planetable work included U. S. C. & G. S. bench marks and supplementary level lines, which were run by Walter F. Robohn, Senior Photogrammetric Aid. Elevations were determined for easily identifiable points such as road junctions and intersections, fence lines and roads, bridges, etc. All elevations were found to be accurate.

6. Contours and Drainage. The contours were located by planetable and alidade traverse, supplemented by occasional hand level pace traverses. The hand level traverse was used when it proved impractical or too slow to use the planetable, such as in heavily wooded areas.

The positions of streams were located by planetable, or pace traverse when such were obscured from view by woods or brush.

The usual closure of planetable traverse between vertical control points averaged less than one-half foot. Hand level trav-

\* The traverse line crosses T8275 and T8281. That portion of the traverse on T8281 was used to test the horizontal accuracy whereas on T8275 the traverse was used for contour. J.S.G.



erses were limited to short distances in an effort to maintain the accuracy of the contours.

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The contouring was done on the same photographs listed for the field inspection. (Refer to item 2).:

7. Mean High-Water Line. Inapplicable to this quadrangle.
8. Low-Water Line. Inapplicable to this quadrangle.
9. Wharves and Shoreline Structures. Inapplicable to this quadrangle.
10. Details Offshore from the High-Water Line. Inapplicable to this quadrangle.
11. Landmarks and Aids to Navigation. Inapplicable to this quadrangle.
12. Hydrographic Control. Inapplicable to this quadrangle.
13. Landing Fields and Aeronautical Aids. There are no landing fields in this quadrangle.
14. Road Classification. The road classification is complete in this quadrangle. Roads have been classified according to instructions. The majority of the roads fall in class four, however there are a few class one roads. Where a road classification changes, a tick mark in red identified the point of change.
15. Bridges. Bridges have been classified according to instructions by C. C. Fryer, Junior Topographic Engineer.
16. Buildings and Structures. Buildings and structures have been classified according to instructions. No new buildings have been built since the time the photographs were taken. The public buildings in towns and villages, as well as those in rural areas, have been classified and named.
17. Boundaries, Monuments and Lines. Boundary lines and political subdivisions have been shown on the photographs listed under item 2.

18. Geographic Names. This will be the subject of a special report. S 6 10-53

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19. Junctions. Junctions with the surrounding quadrangles have been made and found to be correct, with one exception. On photograph 12792 a depression contour is shown, falling slightly within the limits of quadrangle T-8274. This contour will be within the limits of accuracy if it is not brought into quadrangle T-8274.

20. Field work is shown on the following nine lens photographs: photograph 12799 shows bench marks, political subdivisions, field inspection, contouring, and fly levels. Photograph number 12800 shows bridges, bench marks, fly levels, field inspection, contouring. Photograph number 12790 shows field inspection, contouring, and political subdivisions; and photograph number 12801 shows bench marks, contouring, field inspection, fly levels, and political subdivisions. Photograph 12792 shows political subdivisions, bench marks, contouring, and field inspection.

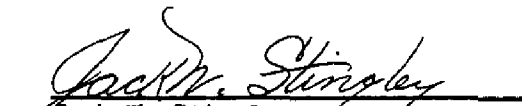
Single lens photographs used for field work are AHW 36 12, showing control; AHW 36 13, showing control, field inspection, and contouring; AHW 36 14 showing control; AHW 36 15, showing control, field inspection and contouring; AHW 36 86 showing field inspection; AHW 36 88 showing contouring and field inspection; and AHW 36 91 showing control.

Respectfully submitted:

Approved:



Ray L. Schoppe  
Chief of Party



Jack W. Stingley  
Junior Topographic Engineer  
November 19, 1943

COMPILATION REPORT  
To Accompany  
Sheet T-8275

26. CONTROL

Seven traverse stations were used for control on this sheet. All could be "held to" in the main radial plot and were sufficient for control when used in conjunction with the stations on adjoining quadrangles as was done in the main plot.

27. RADIAL PLOT

The main radial plot of which this sheet was a part will be discussed in the compilation report for quadrangle T-8252.

28. Detailing

Detailing was done from nine-lens office photographs except in the northwest corner of the sheet where coverage was poor. Some of the detail was drafted in from single lens field prints furnished by the field party.

The photographs were clear and of fair scale. Field inspection was satisfactory except for a few minor omissions which have been noted on a discrepancy overlay.

29. SUPPLEMENTAL DATA

No graphic control surveys by this Bureau or maps and plans by other organizations were used to supplement the photographs or field inspection.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

In comparing this sheet with the U. S. Geological Survey quadrangle of the area, a number of small discrepancies of an unimportant nature were noted, but the information shown on the newer compilation should supersede that on the Geological Survey Map as the latter was made from surveys of more than forty years ago.

45. COMPARISON WITH NAUTICAL CHARTS.

The published U. S. C. and G. S. Nautical Charts, which cover the area shown on Sheet T-8285 were not available in the compilation office.

Respectfully submitted,

Forwarded by  
*Kenneth G. Crosby*  
Kenneth G. Crosby  
Chief of Party....

Morris Rutkin,  
Ass't Engr. Draftsman.

*Morris Rutkin*

FIELD EDIT REPORT  
QUADRANGLE T-8275  
PROJECT CS 288 B

R. L. Schoppe, Chief of Party

1. DESCRIPTION OF AREA: See field inspection report.
2. COMPLETENESS OF FIELD INSPECTION: See field inspection report.
3. INTERPRETATION OF THE PHOTOGRAPHS: see field inspection report.
4. VERTICAL CONTROL: All bench marks and level elevations have been checked and verified on the field edit sheet.
5. HORIZONTAL CONTROL: See item 26, compilation report.
6. CONTOURS & DRAINAGE: Topographic discrepancies noted on the discrepancy overlay have been investigated and corrected where necessary. In the vicinity of Lat 39 06 Long 76 00 a small section of contour was omitted by the field inspection party. This contour has been added to make satisfactory junction with sheet T-8274.
7. thru 12. Inapplicable to this quadrangle.
13. LANDING FIELDS & AERONAUTICAL AIDS: There are no landing fields or aeronautical aids within the limits of this quadrangle.
14. ROAD CLASSIFICATION: All roads have been classified and shown in accordance with instructions from the Army War College, dated January 12, 1942.
15. BRIDGES: Bridge classifications were made in accordance with instructions from the War Dept., dated July 23, 1942, and have been shown in key on the sheet by C.C. Fryer, Jr. Topo. Engr.
16. BUILDINGS: In general there were few buildings to be added, classified or deleted.
17. BOUNDARY MONUMENTS & LINES: In checking sheet junctions with T-8274 a discrepancy was found. This discrepancy was corrected on the published quadrangle, CENTERVILLE? MD, and sent to the Director with a letter of explanation.
18. GEOGRAPHIC NAMES: This has been a subject of a separate report.
26. METHODS: This compilation was field edited on the chart paper print and later transferred to the cloth-backed sheet. Discrepancies not covered by a suitable symbol were noted on the compilation by a sentence and an arrow to the point in question.

All symbols used are standard topographic symbols, except that a green X was used for deletions, and a tick mark was used to show limits of deletion and changes in road classifications. The following color scheme was used.

Deletions-----Green  
Additions, classifications, names,  
and elevations -----Black  
Water Culture-----Blue  
Boundary Lines-----Purple

47. ADEQUACY OF COMPILATION: The compilation of this sheet was complete and adequate with almost no additions, of any kind, necessary.

48. ACCURACY TESTS: See field inspection report.

Submitted By:

*Wendell Bever*  
Wendell Bever  
Jr. Topo. Engr.

Approved By:

*R. L. Schoppe*  
Comdr. R. L. Schoppe,  
Chief of Party



	Remarks	Decisions
1		USGB
2		
3		Md. Geol. Survey County
4		Maps
5		"
6		"
7		"
8		"
9		Railway Guide
10		Road Maps and Md. Gazetteer
11		
12		390758
13		"
14		"
15		"
16		"
17		389759
18		"
19		390759
20		"
21		" USGB
22		"
23		"
24		" USGB
25		391759 USGB
26		391760
27		391759

GEOGRAPHIC NAMES

Survey No. T-8275

PRICE quadrangle  
1 Name on Survey

	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	
A	B	C	D	E	F	G	H	K	
Queen Annes County	✓		✓						1
Caroline County	✓		✓						2
No. 6 Ruthsburg	(C. Co.)		✓						3
✓ No. 1 Dixon	"		✓						4
✓ No. 2 Church Hill	"		✓						5
✓ No. 3 Centerville	"		✓						6
✓ No. 7 Ridgely	(Car. Co.)		✓						7
✓ No. 2 Greensboro	"		✓						8
✓ Pennsylvania R.R. (Centerville Branch)			✓						9
State Roads Nos. 19,	204,	205,	312,	313,	405,	481	✓		10
									11
✓ St. Gertrude Academy	(Benedictine Convent on old USGS quad.)		✓						12
✓ Bridgetown			✓						13
✓ Ingleside			✓						14
✓ Beaverdam Ditch			✓						15
✓ St. Pauls Methodist Church			✓						16
✓ Mason Branch			✓						17
✓ German Branch			✓						18
✓ Ruthsburg			✓						19
✓ Hope			✓						20
✓ Hayden			✓						21
✓ Roe			✓						22
✓ Clark Corners			✓						23
✓ Price			✓						24
✓ Roberts			✓						25
✓ Granny Finley Branch			✓						26
Crane Swamp Road	✓		X						27

Remarks

Decisions

1		
2		
3		
4		
5		390759
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		
20		
21		
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8275

2	Name on Survey	Source of Information											
		A	B	C	D	E	F	G	H	K			
	Line 16 and 27 on preceding page, and also following names are approved,												1
	but except as marked on manuscript their position will have to await re-												2
	turn of name sheet (BARCLAY):												3
													4
✓	<u>Masons Bridge</u>												5
✓	<u>Ruthsburg Ebenezer Methodist Church</u>												6
✓	<u>German Branch Bridge</u>												7
✓	<u>Queens Annes County Home</u> (on Field Edit Sheet)			✓									8
✓	<u>Ruthsburg-Bridgetown Road</u>			✓									9
✓	<u>Ruthsburg-Hayden Road</u>			✓									10
✓	<u>Hope School</u> (on Field Edit sheet)			X									11
✓	<u>Mt. Olive Church</u>		"	✓	"	"							12
✓	<u>Glucktown Bridge</u>												13
✓	<u>Wildcat Branch</u>												14
✓	<u>Roseville Church</u>												15
	<u>Hayden Methodist Church</u>		"	X	"	"							16
	<u>Price Elementary School</u>		"	X	"	"							17
	<u>Bethany Methodist Church</u>			✓									18
													19
													20
													21
													22
													23
													24
													25
													26
													27

Names underlined in red approved  
by L. Heck on 4/5/44

## 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.

Black and white cloth-mounted copy of the <sup>published quadrangle at 1:20,000 scale</sup> 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.

Filed in the Photogrammetric <sup>Division.</sup> ~~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-8275

PRICE 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

~~No~~ horizontal accuracy test was run in this quadrangle. ~~See the files in the Division of Photogrammetry.~~

The nearest vertical accuracy test was run in quadrangle T-8274.

Previous Surveys

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

There are no previous topographic surveys in this area.

Comparison with Nautical Charts Nos.

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

No nautical charts cover this area.

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 March 29, 1944 By John H. Stewart  
under direction of D. H. Benson (per u.m.)

Inspected by B. G. Jones B.G. Jones 5/46

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 B. Egan  
Chief, Div. of Coastal  
Surveys