

8248

8248

Form 504  
Rev. June 1941  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

*Air Photographic*  
*Plane Table*  
*Hydrographic* } Survey No. T-8248  
(Field)

2N  
D. G. Ch. 77-9

MARYLAND  
TILGHMAN QUADRANGLE  
N3837.5 - W7615/7.5

LOCALITY

State Maryland  
General locality Eastern Shore  
Locality Tilghman Island

194 2

CHIEF OF PARTY

F. L. Gallen

May 28, 1946

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. T-8248

REGISTER NO.

State Maryland

General locality Eastern Shore

Locality Tilghman Island

Scale 1:20,000 Date of survey Aug. 17, Sept. 2, 19 42

Vessel War Mapping Party No. 1

Chief of party Wm. D. Patterson - F. L. Gallen

Surveyed by James M. Grover, Wendell Bever, C. C. Fryer

Inked by Wendell Bever

Heights in feet above M.S.L. to ground ~~to tops of trees~~

Contour, ~~Approximate contour, Form line~~ interval 20 feet

Instructions dated August 3, 19 42

Supplemental instructions August 13, 1942.

Remarks: \_\_\_\_\_

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

This quadrangle, together with similar adjoining maps produced under Project CS-288A, 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:

### PREPARATION OF BASE MAPS

Planimetric maps had been compiled of this area just prior to the war mapping project. These planimetric maps were reduced from their original scale of 1:10,000 and were compiled into quadrangle base sheets by photographic processing. Prints of these quadrangle base sheets were made on cloth-mounted paper for field work and on aluminum-mounted paper for office drafting.

### FIELD SURVEYS

The field work consisted of a detailed examination of the quadrangle base sheet and the addition of 20 foot contours by planetable methods. All corrections and additions to the planimetry necessary to bring the base sheet up to date of the field work were made by planetable.

Supplementary vertical control for the planetable contouring was established by spirit levels (fly levels) to furnish unmarked elevations at road intersections and numerous other points.

### PROCESSING IN THE WASHINGTON OFFICE

Review. - The field sheet was examined in the Washington Office for completeness of details and compliance with specifications.

Drafting and Reproduction. - The contours and corrections and additions to planimetry were transferred from the field sheet to the color-separation drawings by means of a map projector. Color-separation drawings were then completed in the usual manner. From these drawings, negatives and printing plates were prepared for reproduction of the finished map at scale 1:31,680.

DESCRIPTIVE REPORT TO ACCOMPANY  
T-8248  
MARYLAND  
WAR MAPPING PROJECT CS-288-A  
F. L. Gallen, Chief of Party

INSTRUCTIONS

This work was executed under the Director's Instructions dated August 3, 1942, and Supplemental Instructions dated August 13, 1942.

GENERAL DESCRIPTION OF AREA

This quadrangle is comprised of two necks, which extend out into the mouth of the Choptank River. The land area is low and flat with a maximum elevation of 13 feet. The greatest part of the area is under cultivation with some scattered woodlots equally distributed throughout the area.

ORGANIZATION OF WORK

The survey operations on this quadrangle were undertaken in the following order:

- a - Supplemental levels
- b - Field Edit
- c - Bridge classification

Operations "a" was performed by a 4-man party, operation "b" by a 2-man party, and operation "c" by a special 2-man party.

LEVELS

The Supplemental levels were run by James M. Grover, Photogrammetric Aid, August 17, 1942, to August 28, 1942.

These levels were controlled from Geological Survey, Army Engineers, and Coast and Geodetic bench marks, and preceded the second order levels mentioned in paragraph 13 of the instructions for this project.

A wye level, with 16 foot rods graduated in feet and tenths, was used. Elevations were read to the nearest hundredth. Elevations were taken along the centerline of all principal roads, at intervals of one fourth mile intersections with other roads, hedges, fences etc. These points were identified on a copy of the map assembly.

All supplemental level lines were closed lines except for a few spur lines of less than  $1\frac{1}{2}$  miles in length, and along roads where the second order levels were to be later run. Level lines whose closures exceeded one foot were re-run; minor level lines (not used for the control of other lines) were not adjusted if the closing error was less than  $3/10$  foot.

Temporary bench marks were set along the main level lines for the control of minor level lines. Elevations to the nearest 1/10 foot were furnished to the topographer.

Level ties were made with the 1942 second-order bench marks unadjusted, by John R. Smith, Photogrammetric Aid, September 2, 1942, after the supplemental levels had been run. There were no discrepancies in the supplemental levels over .20 feet.

All supplemental level elevations have been inked in black on the sheet to the nearest 1/10 foot and will be of value should five foot contours be added at a later date. All levels elevations on this sheet were checked against the original level records by Wendell Bever, Photogrammetric Aid, September 24, 1942.

CONTOURING

The area on this sheet was checked for contours by the field edit party, and the maximum ground elevation was found to be 13 feet.

FIELD EDIT

This sheet was field edited by Wendell Bever, Photogrammetric Aid, September 2, 1942.

All symbols used during the field edit are standard topographic symbols, except that a green "x" was used for the deletions and a tick mark was used to indicate the limits of deletions, and also, the points of change in the road classification. A list of abbreviations used during the field edit is contained in the back of this report.

A. Boundaries

The boundaries of the political districts were drawn on this sheet from maps furnished by the Washington Office, after they were verified locally.

B. Buildings

All farm buildings except dwellings, have been classified as "b" (barns). This includes large substantial sheds, chicken houses, etc.

In general, there were few additions or deletions of buildings to be made.

C. Bench Marks

The descriptions for the second order bench marks established during 1942 by Mr. Clarence Symms, Jr., Associate Geodetic Engineer, while operating as an independent party, will be submitted by that party directly to the Washington Office.

All of the above 1942 bench marks, which fall on this sheet, have been shown.

Bench mark No. 2 (USE) was recovered in the town of Fairbanks. Its position is shown on the sheet and a description has been submitted on a plain sheet of paper in accordance with July 1, 1942 instructions on Descriptions of Stations.

There are no other permanent bench marks, except as stated in the preceding two paragraphs on this sheet.

#### D. Bridges

Bridge Classifications were made by C. C. Fryer, Photogrammetric Aid, while operating as a special 2-man party. The classifications are in accordance with the instructions from the War Department dated July 23, 1942, and have been shown in "key" on the sheet.

Culverts (span of 20 feet as classified by the U. S. Bureau of Public Roads) have not been indicated on the sheet unless they were not capable of supporting normal loads. In which case, they have been labeled "weak culv" on the sheet.

#### E. Field Culture

All field culture, such as wire fences, brush along fence lines, field ditches, field lines, and wagon tracks have been deleted from the map manuscript. There were no stone fences on this sheet.

#### F. Geographic Names

In accordance with the instructions, no special investigation of geographic names was made. However, the party was on the alert for name discrepancies and new names. None were found.

The roads on this sheet do not have local names.

#### G. Drainage

A few streams were reclassified in the field as intermittent streams. In general, the drainage was not over extended on the air photographic survey as on some sheets in this project.

#### H. Shoreline

There were no shoreline changes or temporary docks noted on this sheet.

I. Power and Telephone Lines

Power lines were treated in accordance with the standard practice of the Geological Survey, i. e. only trunk power transmission lines were shown, except where the lines were located in less developed rural areas and not along principal highways.

Telephone lines were treated in accordance with the Supplemental Instructions from the Director, dated August 13, 1942.

There were no power or telephone lines to be found in the above categories on this sheet.

J. Roads

All roads have been classified and shown in accordance with the instructions from the Army War College dated January 12, 1942.

K. Woods

The wooded areas have been classified for concealment, types of trees, and density. A key to the classification is contained in the back of this report.

JUNCTIONS

This sheet joins quadrangle T-8257 on the north, T-8249 on the east, and T-8241 on the south.

The field edit is in agreement with the adjacent sheets and was checked by Wendell Bever, Photogrammetric Aid, October 9, 1942.

STATISTICS

Supplemental levels, statute miles .....	12.1
Contours, square statute miles .....	0
Field Edit, Square statute miles .....	7.75

TESTS

HORIZONTAL ACCURACY

There were no horizontal accuracy tests in this quadrangle. For tests in this general area see descriptive report for sheet T-8242, or Sheet T-8268.

VERTICAL ACCURACY

Since there were no contours on this sheet, no vertical accuracy test was made.

REMARKS

This sheet was inked by Wendell Bever, Photogrammetric Aid, October 7, 1942.

This sheet is complete, and requires no further field work.

The field work on this sheet was supervised and the report compiled by Edmund L. Jones, Lieutenant.

Submitted by

*E. L. Jones by*  
*Emil H. Berach*  
Edmund L. Jones,  
Lieutenant  
U.S.C. & G. S.

Approved:

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



Remarks.

Decisions

1		37762 00003
2		"
3		37763
4		" 00003
5		"
6		"
7		"
8		" 00003
9		"
10		"
11		"
12		"
13		37762
14		"
15		"
16		"
17		"
18	00003	" 00003
19		"
20		"
21		"
22		"
23		37763
24		"
25		"
26		" 00003
27		" 00003

GEOGRAPHIC NAMES

Survey No. 1-018

1800 ft. Island

No. 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.

Name on Survey	A.	B.	C.	D.	E.	F.	G.	H.	K.
Point ✓									1
Bay River ✓									2
Island ✓									3
Point ✓									4
Point ✓									5
Point ✓									6
Point ✓									7
Point ✓									8
Point ✓									9
Harbor ✓									10
Point ✓									11
Island ✓									12
Island ✓									13
Point ✓									14
Point ✓									15
Point ✓									16
Point ✓									17
Point ✓									18
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Point ✓									21
Point ✓									22
Point ✓									23
Point ✓									24
Point ✓									25
Point ✓									26
Point ✓									27

T-8248

No. 2  
Decisions

Remarks.

	Remarks.	No. 2 Decisions
1	<i>Recommend that this name be omitted from map - feature is not indicated RSE 12-18-42</i> <small>Also name of a light</small>	387763
2		"
3		"
4		"
5		"
6		" USGB
7		" "
8		" "
9		"
10		"
11		"
12		" USGB
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GEOGRAPHIC NAMES

Survey No.

1-238

No. 2

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

✓											1
✓											2
✓											3
✓											4
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Names of islands in red approved  
by L. Heck 11/13/42

## 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 manuscript - cloth backed ozlid copy.

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-8248

TILGHMAN 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 test was run in quadrangle T-8242.

There is no vertical accuracy test on this quadrangle as there are no contours.

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.

See comparisons in descriptive reports of T-5711, T-5715, T-5723 and T-5724 *from which T8248 was compiled. See page 1 of this report preceding page 1 of this report.*

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:

Detail found on T-5711, T-5715, T-5723 and T-5724 has been applied to charts #1225 and 550.

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

No formal review was necessary on this sheet as all additions and corrections were made in the field.

Reviewed 29 Oct 42 By Jack L. Pilsen  
under direction of D. H. Benson

Inspected by B. G. Jones B.G. Jones 3/46

Examined and approved:

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

~~Chief, Topography Section~~

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

Raymond H. Egan  
Chief, Div. of Coastal  
Surveys