

# 8258

8258

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

## DESCRIPTIVE REPORT

*Air Photographic*  
*Plane Table*  
*Hydrographic* } Survey No. **T-8258**  
(Field)

MARYLAND  
ST. MICHAELS QUADRANGLE  
N3845-W7607.5/7.5

LOCALITY

State Maryland

General locality Eastern Shore

Locality St. Michaels

194 2

CHIEF OF PARTY

Wm. D. Patterson

ON  
Draw Ch. 77-4

U. S. GOVERNMENT PRINTING OFFICE 515551

June 6, 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-9258

REGISTER NO.

State Maryland

General locality Eastern Shore

Locality St. Michaels

Scale 1:20,000 Date of survey \_\_\_\_\_, 1942

Vessel War Mapping Party No. 1

Chief of party Wm. D. Patterson

Surveyed by Milton Applefield, Orvis N. Dalbey, C. G. Fryer

Inked by Orvis N. Dalbey

Maximum Elevation:  
Heights-in-feet-above 17.6 ft. to-ground-to-tops-of-trees--

Contour, ~~Approximate~~ contour, ~~Fern-line~~ interval 20 feet

Instructions dated August 3, 1942  
Supplemental Instructions August 13, 1942.

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

DESCRIPTIVE REPORT TO ACCOMPANY  
T-8258  
MARYLAND  
WAR MAPPING PROJECT GS-288-A  
Wm. D. Patterson, 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 area is comprised of a series of low flat necks extending into Miles River. Cultivated and wooded areas are equally distributed over the sheet. St. Michaels, the principal town, is a fishing village.

ORGANIZATION OF WORK:

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

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

Operation "a" was performed by a 4-man party, and operations "b" and "c" by two 2-man parties.

LEVELS

Nearly all of the supplemental levels were run by Milton Applefield, Engineering Aid, August 5 to 25, 1942, but was not continuous during this period. A few short spur lines of levels were run by John R. Smith September 1 to 2, 1942.

These levels were controlled from Geological Survey, and Coast and Geodetic Survey bench marks, and proceeded 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, and etc. These points were identified on a copy of the map assembly and furnished to the topographer for the control of contours.

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 by John R. Smith, Engineering Aid, on October 3, 1942. The supplemental levels as indicated by these ties are in error by less than 0.1 foot.

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 level elevations on this sheet were checked against the original level records by Orvis N. Dalbey, Photogrammetric Aid, on September 30, 1942.

#### CONTOURING

There are no 20-foot contours on this sheet. The maximum elevation, 17.6 feet, is on a road fill on the northeastern part of the sheet. The relief on this sheet was examined by Orvis N. Dalbey while field editing.

The magnetic meridian shown on the sheet was obtained from orienting along State Highway No. 33, northeast of Newcomb, and was later checked along another road.

#### FIELD EDIT

This sheet was field edited by Orvis N. Dalbey, September 9 to 28, 1942, but was not continuous during this period.

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.

One change was made in the political boundary line between District No. 1 and District No. 2 about  $1\frac{1}{2}$  miles northeast of Newcomb (latitude  $38^{\circ} 46'$ , longitude  $76^{\circ} 09'$ ) this change was substantiated by local inquiries and a conference with the President of Talbot County Election Board, Mr. John W. D. Jump.



### B. Buildings

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

The buildings in St. Michaels were located by tape distances from detail shown on the map assembly. All buildings are shown in their relative size, except where individual buildings were so close that they could not be shown on this scale; in such cases, the buildings were slightly reduced in size. Where buildings were attached to each other then solid blocks of buildings were shown.

In general, there were a few additions or deletions of the buildings in the rural areas.

### C. Bench Marks

The descriptions for the second order bench marks established during 1942, by 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 1942 bench marks, have been located on the sheet.

The tidal bench marks at Lower Wye River, St. Michaels, and Deep Water Point were recovered during the field edit and descriptions are submitted with this report. The location of only one of each group has been shown on the sheet.

There are no other permanent bench marks, except as stated above, on this sheet.

### D. Bridges

Bridge classifications were made by C. C. Fryer, Photogrammetric Aid, while operating as a special two-man field 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<sup>or less</sup> 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, in general, have local names. Only one such name was found.

G. Drainage

Numerous streams (shown by a full line on the map assembly) were reclassified as intermittent streams. There was a tendency on the part of the air photographic survey to over-extend the streams, especially in cultivated fields. These have been deleted where necessary.

H. Shoreline

There were no shoreline changes. One permanent dock was added to this sheet.

I. Power and Telephone Lines

*About 425.0 m. of Powerline East of West-Needline to be omitted, since this line could not be shown on adj. Quad. T-8257. (See Descr. Report of T-8257)*

12/8 42

C.R.W

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 telephone lines falling in the above category on this sheet. One power line of 6700 volts was shown.

J. Roads

All roads have been classified and shown in accordance with 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-8267 on the north, T-8259 on the east, T-8249 on the south, and T-8257 on the west.

The field edit along the junction with quadrangles T-8267, and

T-8247 was checked by Orvis N. Dalbey on September 30, 1942, and is in agreement. The junctions with quadrangles T-8257 and T-8259 will be discussed in the reports of these sheets, since the field edit is not complete for these two sheets.

STATISTICS:

Supplemental levels, statute miles .....40.0  
Contours, square statute miles ..... 0.0  
Field Edit, Square Statute miles .....37.0

TESTS

HORIZONTAL ACCURACY

There were no horizontal accuracy tests in this quadrangle. For tests in this general area see descriptive report for sheet T-8250 and T-8259.

VERTICAL ACCURACY:

No vertical accuracy tests were made in this quadrangle since there were no contours on this sheet.

REMARKS

This sheet was inked by Orvis N. Dalbey, Photogrammetric Aid, September 21 to 30, 1942, but was not continuous during this period.

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

Edmund L. Jones  
Lieutenant,  
U.S. Coast & Geodetic Survey

Approved:

W. D. Patterson  
Wm. D. Patterson,  
Chief of Party

ABBREVIATIONS USED ON FIELD EDIT.

WOODS

Concealment:

- A - Trees 10' high - hide troops
- B - Brush, hide troops, impede progress
- C - Scattered brush & hide troops.

Density:

- 1 - Scattered
- 2 - Thinly wooded
- 3 - Heavily wooded
- 4 - Densely wooded

Type:

- D - Deciduous
- P - Evergreen and pine
- R - Brush
- S - Scrub
- L - Young trees

BRIDGES (by special party)

| <u>First Symbol</u><br>Capacity | One Lane<br>5 m.p.h. | Unlimited |
|---------------------------------|----------------------|-----------|
| A                               | 50 tons              | 25 tons   |
| B                               | 25 "                 | 18 "      |
| C                               | 18 "                 | 13 "      |
| D                               | 10 "                 | 7 "       |
| E                               | 6 "                  | 4 "       |
| F                               | Light vehicles only. |           |

Second Symbol

|  |                 |
|--|-----------------|
| Vertical clearance<br>(clear height for<br>width of 10') | A - over 14'    |
|  | B - " 13'       |
|  | C - " 12'       |
|  | D - " 11', etc. |

Third Symbol

|   |                 |
|---|-----------------|
| Horizontal Clearance<br>(width between curbs) | A - over 18'    |
|   | B - " 17'       |
|   | C - " 16'       |
|   | D - " 15', etc. |

Fourth Symbol - Year of classification.

- "U" - Underpass (to be substituted for
- "T" - Tunnels (the First Symbol where applicable).



ABBREVIATIONS USED ON FIELD EDIT  
(continued)

BUILDINGS:

|          |   |                  |
|----------|---|------------------|
| d        | - | dwelling         |
| b        | - | barn             |
| ck. h.   | - | chicken house    |
| Sto      | - | Store            |
| Bldg     | - | building         |
| Ch       | - | church           |
| Sch      | - | school           |
| P. O.    | - | post office      |
| C. H.    | - | Court House      |
| RR. Sta. | - | Railroad Station |
| Hos      | - | Hospital         |

ROADS:

|                 |   |                          |
|-----------------|---|--------------------------|
| Rd.             | - | Road                     |
| Classification: |   |                          |
| Rd. 1           | - | Dependable, hard surface |
| Rd. 2           | - | Secondary, all weather   |
| Rd. 3           | - | Loose surface            |
| Rd. 4           | - | unimproved, but graded   |
| Rd. 4U          | - | Track road               |
| Rd. 5           | - | Horse or foot trail      |
| P               | - | Private Road             |
| W               | - | Width in feet            |
| R R             | - | Railroad                 |
| Tr              | - | Tracks                   |
| ⊕               | - | U. S. Highway No. 3      |
| ⊙               | - | State Highway No. 3      |
| ⊗               | - | County Highway No. 3     |

|    | Remarks.  | Decisions     |
|----|---|---------------|
| 1  |   | 387761        |
| 2  | Not listed in Railway Guide as a station name                         | "             |
| 3  |   | "             |
| 4  |   | "             |
| 5  | According to T-5712 this is at 45°20'11"08",<br>separate from Newcomb | "             |
| 6  |   | "             |
| 7  |   | "             |
| 8  |   | "             |
| 9  |   | " USGB        |
| 10 |   | "             |
| 11 |   | Railway Guide |
| 12 |   | 387761 USGB   |
| 13 |   | 387762 "      |
| 14 | Not Parrot  | "             |
| 15 |   | "             |
| 16 |   | "             |
| 17 |   | "             |
| 18 |   | " USGB        |
| 19 | Delete this name: it is all San Domingo Creek<br>per USGB decision    | "             |
| 20 |   | "             |
| 21 |   | "             |
| 22 | Abbreviation for island should be I. (Is on<br>compilation).          | " USGB        |
| 23 |   | " "           |
| 24 | Referred to USGB: apply this name while<br>awaiting its decision      | "             |
| 25 |   | 387761        |
| 26 |   | 388762        |
| 27 | Pending with USGB: apply this name while<br>awaiting its decision     | "             |

GEOGRAPHIC NAMES

Survey No. T-8258  
ST. MICHAELS quad.

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 |    |
|------------------------------|---|---|---|---|---|---|---|---|---|----|
| ✓ Kirkham                    |   |   |   |   |   |   |   |   |   | 1  |
| ✓ Necomb                     |   |   |   |   |   |   |   |   |   | 2  |
| ✓ Necomb Creek               |   |   |   |   |   |   |   |   |   | 3  |
| ✓ Oak Creek                  |   |   |   |   |   |   |   |   |   | 4  |
| ✓ Royal Oak Station          |   |   |   |   |   |   |   |   |   | 5  |
| ✓ Little Neck Creek          |   |   |   |   |   |   |   |   |   | 6  |
| ✓ Long Point                 |   |   |   |   |   |   |   |   |   | 7  |
| ✓ Hunting Creek              |   |   |   |   |   |   |   |   |   | 8  |
| ✓ Leeds Creek                |   |   |   |   |   |   |   |   |   | 9  |
| ✓ Fairview Point             |   |   |   |   |   |   |   |   |   | 10 |
| ✓ Baltimore and Eastern (RR) |   |   |   |   |   |   |   |   |   | 11 |
| ✓ Solitude Creek             |   |   |   |   |   |   |   |   |   | 12 |
| ✓ Spencer Creek              |   |   |   |   |   |   |   |   |   | 13 |
| ✓ Parrott Point              |   |   |   |   |   |   |   |   |   | 14 |
| ✓ St. Michaels               |   |   |   |   |   |   |   |   |   | 15 |
| ✓ Navy Point                 |   |   |   |   |   |   |   |   |   | 16 |
| ✓ Hopkins Point              |   |   |   |   |   |   |   |   |   | 17 |
| ✓ San Domingo Creek          |   |   |   |   |   |   |   |   |   | 18 |
| ✓ Back Creek                 |   |   |   |   |   |   |   |   |   | 19 |
| ✓ Church Neck Point          |   |   |   |   |   |   |   |   |   | 20 |
| ✓ Broad Creek                |   |   |   |   |   |   |   |   |   | 21 |
| ✓ Hambleton Island           |   |   |   |   |   |   |   |   |   | 22 |
| ✓ Mulberry Point             |   |   |   |   |   |   |   |   |   | 23 |
| ✓ Barretts Cove              |   |   |   |   |   |   |   |   |   | 24 |
| ✓ Long Haul Creek            |   |   |   |   |   |   |   |   |   | 25 |
| ✓ Deep Water Point           |   |   |   |   |   |   |   |   |   | 26 |
| ✓ Hambleton Creek            |   |   |   |   |   |   |   |   |   | 27 |

GEOGRAPHIC NAMES

Survey No. T-8258

No. 2

Name on Survey

|                         | On Chart<br>No. | On previous survey<br>No. | On U. S. quadrangle<br>Maps | From local<br>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  |
| ✓ Hambleton Point       |                 |                           |                             |                           |               |                    |                    |                  | 1  |
| ✓ Porter Creek          |                 |                           |                             |                           |               |                    |                    |                  | 2  |
| ✓ Miles River           |                 |                           |                             |                           |               |                    |                    |                  | 3  |
| ✓ Wye River             |                 |                           |                             |                           |               |                    |                    |                  | 4  |
| ✓ Bennett Point         |                 |                           |                             |                           |               |                    |                    |                  | 5  |
| ✓ Herring Island        |                 |                           |                             |                           |               |                    |                    |                  | 6  |
| ✓ Wye Island            |                 |                           |                             |                           |               |                    |                    |                  | 7  |
| ✓ Bordley Point         |                 |                           |                             |                           |               |                    |                    |                  | 8  |
| ✓ Bruffs Island         |                 |                           |                             |                           |               |                    |                    |                  | 9  |
| ✓ Shaw Bay              |                 |                           |                             |                           |               |                    |                    |                  | 10 |
| ✓ Wye East River        |                 |                           |                             |                           |               |                    |                    |                  | 11 |
| ✓ Wyetown Point         |                 |                           |                             |                           |               |                    |                    |                  | 12 |
| ✓ Wyetown Point Road    |                 |                           |                             |                           |               |                    |                    |                  | 13 |
| ✓ Woodland Creek        |                 |                           |                             |                           |               |                    |                    |                  | 14 |
| ✓ Copperville           |                 |                           |                             |                           |               |                    |                    |                  | 15 |
| ✓ Tunis Mills           |                 |                           |                             |                           |               |                    |                    |                  | 16 |
| ✓ Miles River Neck      |                 |                           |                             |                           |               |                    |                    |                  | 17 |
| ✓ Unionville            |                 |                           |                             |                           |               |                    |                    |                  | 18 |
| ✓ Lloyd Creek           |                 |                           |                             |                           |               |                    |                    |                  | 19 |
| ✓ Cross Creek           |                 |                           |                             |                           |               |                    |                    |                  | 20 |
| ✓ Queen Annes County    |                 |                           |                             |                           |               |                    |                    |                  | 21 |
| ✓ T. H. ...             |                 |                           |                             |                           |               |                    |                    |                  | 22 |
| Political subdivisions: |                 |                           |                             |                           |               |                    |                    |                  | 23 |
| No. 2 St. Michaels      |                 |                           |                             |                           |               |                    |                    |                  | 24 |
| No. 5 Bay Hundred       |                 |                           |                             |                           |               |                    |                    |                  | 25 |
| No. 5 Queenstown        |                 |                           |                             |                           |               |                    |                    |                  | 26 |
| No. 1 Easton            |                 |                           |                             |                           |               |                    |                    |                  | 27 |

✓ Heck 12/57/21

T-8258

No. 2

Remarks

Decisions

|    | Remarks   | Decisions   |
|----|---|-------------|
| 1  |   | 388762      |
| 2  |   | "           |
| 3  |   | " USGB      |
| 4  |   | " "         |
| 5  | Not Bennet  | " "         |
| 6  | According to D.R. T-5709, island has entirely disappeared | "           |
| 7  |   | 388761      |
| 8  |   | "           |
| 9  |   | "           |
| 10 |   | "           |
| 11 |   | " USGB      |
| 12 |   | "           |
| 13 |   | "           |
| 14 |   | "           |
| 15 |   | "           |
| 16 |   | "           |
| 17 |   | "           |
| 18 |   | "           |
| 19 |   | "           |
| 20 |   | "           |
| 21 |   | USGB        |
| 22 |   |             |
| 23 |   |             |
| 24 |   | County Maps |
| 25 |   | "           |
| 26 |   | "           |
| 27 |   | "           |

## 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 manuscript - cloth-backed ozalid 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-

ST. MICHAELS 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

There were no horizontal accuracy tests in this quadrangle. For tests in this general area see descriptive report for sheet T-8250 and T-8259.

No vertical accuracy tests were made in this quadrangle since there were no contours on this sheet.

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.

For the <sup>comparison with</sup> previous topographic surveys in this area see Descriptive reports;

|        |        |
|--------|--------|
| T-5708 | T-5711 |
| T-5709 | T-5712 |
| T-5710 | T-5713 |

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:

There are no nautical charts which cover this area.

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 Nov 26, 1942 By W. B. Russell  
under direction of D. H. Benson

Inspected by E. 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 P. Egan  
Chief, Div. of Coastal  
Surveys