

8266

ON  
Diag. Ch. 77-4

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

DESCRIPTIVE REPORT

*Air Photographic*  
*Plane Table*  
*Hydrographic* } Survey No. T-8266  
(Field)

MARYLAND  
KENT ISLAND  
N3852.5-W7615/7.5

LOCALITY

State Maryland  
General locality Eastern Shore  
Locality Kent Island Quad

1942

CHIEF OF PARTY

Wm. D. Patterson

U. S. GOVERNMENT PRINTING OFFICE 316551

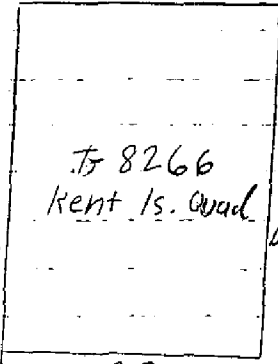
June 3, 1946

8266

Junction Check on Final Edit

GREEN ✓  
BROWN ✓  
BLACK CKD. Junc  
DK BLUE CKD. Junc  
8272

8265  
No Junctions



8267  
BLACK CKD Junc  
DK BLUE CKD "  
GREEN-CKD "  
BROWN -

8257  
BLACK checked  
DK BLUE checked  
GREEN ✓  
BROWN ✓

Applied to drawing of Chart 550 & 566 (no correction) 7/17/43 - J.W.

Applied to Reconstruction of Chart 550 20 Dec 1946 J.W.  
(Black symbols applied from  
manuscript)

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-8266

REGISTER NO. T-8266

State Maryland

General locality Eastern Shore

Locality Kent Island

Scale 1:20,000 Date of survey Sept. 3 - 25th, 1942

Vessel War Mapping Party No. 1

Chief of party Wm. D. Patterson

Surveyed by James C. Grover, John R. Smith, Wendell Bever

Inked by Wendell Bever, Photogrammetric Aid.

Heights in feet above 23 to ground ~~to tops of trees~~

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

Instructions dated August 3rd, Supple. Instruct. Aug. 13th, 1942

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

DESCRIPTIVE REPORT TO ACCOMPANY  
T-8266  
MARYLAND  
WAR MAPPING PROJECT CS-238-A  
Wm. D. Patterson, Chief of Party.

INSTRUCTIONS

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

GENERAL DESCRIPTION OF AREA:

This map manuscript covers the greater part of Kent Island except the most northerly and southerly portions of the island. Cultivated land makes up the greater portion of the area, with wooded areas equally distributed. The land slopes from 15 to 20 foot bluffs at the westward edge of the island to low, flat areas on the eastward side of the island.

ORGANIZATION OF WORK

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

- a - Supplemental levels
- b - Field edit
- c - Contours
- d - Bridge Classification
- e - Vertical accuracy test

Operations "a" and "c" were performed by two 4-man parties; operation "b" by a 2-man party, operation "d" by a special 2-man party, and operation "e" by a special 5-man party.

LEVELS

Nearly all of the supplemental levels were run by James C. Grover, Photogrammetric Aid, September 3 to 10, 1942, but was not continuous. Two short spur lines were run by John R. Smith, Engineering Aid, September 25, 1942.

These levels were controlled from Coast and Geodetic Survey Tidal 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 tenth of a foot, and estimated to the nearest hundredth. Elevations were taken along the center-line of all the 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 while running the supplemental levels, although the elevations of these bench marks were not available at the time. A comparison with the 2nd order elevations later showed that the supplemental levels were not in error more than 0.33 foot. The supplemental levels were not adjusted.

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 Russell E. Nichols, Rodman.

#### CONTOURING

This sheet was contoured by Wendell Bever, Photogrammetric Aid, September 23, 1942.

The contouring was done directly on a 1:20,000 scale map assembly of the planimetric maps by standard plane table methods, except that plane table positions were located and orientations obtained from the topographic detail shown on the map assembly. Only a few short plane table traverses were run, and in each case, it was used to carry elevations for a plane table set-up.

U. S. Geological quadrangle maps were consulted also, and where discrepancies existed they were noted in the field. Since the Geological Survey quadrangle maps were on a much smaller scale than the work on this project, only a visual comparison was made. In general, the contours of the two surveys were in close agreement. The following are the larger discrepancies:

1. At latitude  $38^{\circ}57'$ , longitude  $76^{\circ}21.5'$ , a small closed 20 foot contour was found, which was not shown on the U.S. Geological Survey Quadrangle.
2. At latitude  $38^{\circ}56'$ , longitude  $76^{\circ}21'30''$ , there is no closed 20 foot contour as shown by the U.S. Geological Survey Quadrangle. The highest elevation at this point is a 15 foot knoll.

All plane table elevations obtained in the field have been inked in brown on the sheet, except where the elevations were on or very close to the contour, in which case, they were left off the sheet. These elevations will be of value should five foot contours be added at a later date. Useful elevations such as are shown by the Geological Survey were obtained in the field, but no selection was made during the inking of the sheet.

The magnetic meridian shown on the sheet was obtained from orienting along State Highway 33 and 404, and was later checked in the field.

#### FIELD EDIT

The portion of this sheet covered by contours was field edited by Wendell Bever, Photogrammetric Aid, August 14 to August 17, 1942.

All symbols used during the field edit are standard topographic symbols, except that a green "x" was used for 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, and etc.

The buildings in Stevensville were located by a combination of plane table methods and tape distances. 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. In general, there were few additions or deletions of buildings.

#### 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 above 1942 bench marks, which fall on this sheet, have been shown.



In addition, three tidal bench marks in the vicinity of Cox Creek were recovered, and descriptions for these bench marks are submitted with this report. Only the position of Tidal Bench Mark No. 2 is 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 2-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 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. The following discrepancies were found:

1. The name "Shipping Creek" is shown on the air photographic survey, as applying to the westernmost prong of three creeks. Locally, the name applies to all three of the creeks, this was verified by five well informed local residents. This, also, conforms to the U.S. Geological Survey Quadrangle surveyed in 1902. The name as shown in black on the sheet is recommended. LH
2. The name "Philpots Islands" is well established in local usage, and has been for at least 50 years; this was verified by 4 reliable local sources. The origin of the name is unknown and is used locally as applying to the two islands. This name was not shown on the air photographic survey. It is recommended and has been added to the sheet in black. noted
3. The following spellings for Queen Anne's County were found:
  - a. Queen Anne's County
  - b. Queen Anne County
  - c. Queen Annes County. ← USRB. decision

The spelling listed first is recommended, since it is the spelling used in the official county records.



The roads on this sheet do not, in general, have local names. Only two such names were 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 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 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 the 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 falling in the above category on this sheet.

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-8272 on the north, T-8267 on the east, T-8257 on the south, and T-8265 on the west. Land junctions occur on the north, east, and south sides of this sheet. There are no 20 foot contours at any of the junctions. The field edit information with the adjoining sheets is in agreement, and was checked by Wendell Bever, Photogrammetric Aid, September 28, 1942.

STATISTICS:

Supplemental levels, statute miles .....	33.4
Contours, square statute miles .....	4.7
Field Edit, Square statute miles .....	32.0



TESTS

HORIZONTAL ACCURACY:

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

VERTICAL ACCURACY:

There were no vertical accuracy tests in this quadrangle. For a test of the contour work done by Wendell Bever, Photogrammetric Aid, see report for sheet T-8272.

REMARKS

This sheet was inked by Wendell Bever, Photogrammetric Aid, September 16, and 17, 1942.

The names of triangulation stations have been left off this sheet, and should be added by the Washington Office. These names do not appear on the 1:10,000 scale ozalid print of the air photographic survey.

This sheet is complete, except as stated above, 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 and Geodetic Survey

Approved:

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

ABBREVIATIONS  
FIELD EDIT ON MAP MANUSCRIPT  
Project 288 A

BRIDGES ( special party )

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

Second Symbol

Vertical Clearance	A - over 14'
Clear height for	B - " 13'
width of 10'	C - " 12'
	D - " 11' etc.

Third Symbol ( between curbs )

<u>Horizontal Clearance</u>	A - over 18'
	B - " 17'
	C - " 16'
	D - " 15' etc.

Fourth Symbol - Year of classification  
(substituted for first

" U." - Underpass symbol where applicable)

" T." - Tunnels

Culv. - Culverts

Roads

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
RR - Railroad
Tr - Tracks (R.R.)

Buildings

D - Dwelling
B - Barn
Sto - Store
Bldg - Building
Ch - Church
Sch - School
P.O. - Post Office
C. H. - Court House
R.R. Sta. - Rail Road Station
Hos - Hospital

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

Note:

Woods concealment has been indicated on the sheet by letters A, B, and C, which correspond to Class 1, Class 2, and Class 3 of the instructions.

	Remarks	Decisions
1		USGB
2		"
3		388762
4		388763
5		"
6		"
7	See page 4 of this report.	"
8		"
9		"
10	Not TOSSON	"
11		389762
12		"
13	Not Narrows	"
14		"
15		"
16		"
17		"
18		"
19		"
20		" USGB
21		"
22		" USGB
23		"
24	Not Kirwin	"
25		"
26		"
27		"

**GEOGRAPHIC NAMES**

Survey No. T-8266

**KENT ISLAND quadrangle  
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

✓  
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✓

	A,	B,	C,	D	E	F	G	H	K
✓ Queen Annes County									1
✓ Chesapeake Bay									2
✓ Bodkin Island									3
✓ Eastern Bay									4
✓ Claiborne-Romancoke Ferry									5
✓ Long Marsh Island									6
✓ Philpots Islands									7
✓ Romancoke									8
✓ Carter Creek									9
✓ Tolson Creek									10
✓ Parson Island									11
✓ Normans Point									12
✓ Narrow Point									13
✓ Crab Alley Bay									14
✓ Crab Alley Neck									15
✓ Crab Alley Creek									16
✓ Little Island									17
✓ Johnson Island									18
✓ Little Creek									19
✓ Cox Neck									20
✓ Cox Neck Road									21
✓ Dominion									22
✓ Prospect Bay									23
✓ Kirwan Creek									24
✓ Hog Island									25
✓ Goodhands Creek									26
✓ Piney Creek									27

	Remarks	Decisions
1		390762
2		389762
3		" USGB
4		Railway Guide
5		389763 USGB
6		"
7		" USGB
8	Application agrees with page 4 of Descriptive Report	"
9		"
10		" USGB
11		"
12		"
13		"
14		"
15	Added to name overlay	"
16	Added to name overlay	"
17		"
18		"
19		"
20		
21		
22		
23		
24		
25		
26		
27		



GEOGRAPHIC NAMES

Survey No. T-8266

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
<u>Chester River</u>									1
<u>Chester</u>									2
<u>Macum Creek</u>									3
<u>Baltimore and Eastern (RR)</u>									4
<u>Kent Island</u>									5
<u>Turkey Point</u>									6
<u>Cox Creek</u>									7
<u>Shipping Creek</u>									8
<u>Mattapex</u>									9
<u>Batts Neck</u>									10
<u>Batts Neck Road</u>									11
<u>Crane Creek</u>									12
<u>Normans</u>									13
<u>Annapolis-Mat apeake Ferry</u>									14
<u>Mat apeake Ferry Landing</u>									15
<u>Warehouse Creek</u>									16
<u>Broad Creek</u>									17
<u>Thompson Creek</u>									18
<u>Stevensville</u>									19
									20
									21
									22
									23
									24
									25
									26
									27

*Matapeake is correct spelling L.H.*

Names underlined in red approved  
by L. Heck on 11/19/42

## 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 - ozalid cloth-backed 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- 8266

KENT ISLAND 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-8268.

The nearest vertical accuracy test was run in quadrangle T-8272.

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 previous topographic surveys in this area see the Descriptive Reports and reviews of planimetric surveys T-5721, T-5722, T-5707 and T-5708.

Comparison with Nautical Charts Nos. 550, 566, 1225.

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 for T-8266 are complete and adequate for correction of chart <sup>o</sup>1225.

T-8266 has been applied to drawing of charts 550 and 566.

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 Nov. 11, 1942 By W. H. Benson  
under direction of D. H. Benson *(per W.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. [Signature]  
Chief, Div. of Charts  
Nautical Chart Branch

[Signature]  
Chief, Div. of Coastal  
Surveys