

8267

8267

Form 504 Rev. June 1941	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
<i>Air Photographic</i> <i>Plane Table</i> <i>Hydrographic</i>	Survey No. <u>T-8267</u> (Field)
MARYLAND QUEENSTOWN QUADRANGLE N3852.5-W7607.5/7.5	
LOCALITY	
State <u>Maryland</u>	
General locality <u>Eastern Shore</u>	
Locality <u>Queenstown</u>	
<u>194.2</u>	
CHIEF OF PARTY	
<u>F. L. Gallen</u>	

U. S. GOVERNMENT PRINTING OFFICE 315551

May 29, 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-8267

REGISTER NO.

State Maryland

General locality Eastern Shore

Locality Queenstown

Scale 1:20,000 Date of survey Aug. 26 to Sept. 19, 1942

Vessel War Mapping Party No. 1

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

Surveyed by James M. Grover, Wendell Bavar, Henry M. Eldridge,
C. C. Fryer, and Charles Hanavich

Inked by Wendell Bavar & Henry M. Eldridge

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

Remarks: Supplemental Instructions - August 13th, 1942.

DESCRIPTIVE REPORT TO ACCOMPANY
T-8267
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 takes in the greater part of the upper headwaters of Wye River. West of the river the area is comprised of low, flat farmland, and densely wooded areas. East of the Wye River the land becomes rolling with maximum elevations of 72 feet. Farmland and wooded areas are equally distributed throughout the entire area.

ORGANIZATION OF WORK

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

- a - Supplementary levels
- b - Field edit of areas below the 20 foot contour.
- c - Field edit and contours above 20 foot elevations.
- d - Bridge Classification
- e - Vertical accuracy tests.

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 due to the confidential nature of the work, and "e" by a 5-man party.

LEVELS

Supplemental levels were run on this sheet by James M. Grover, Photogrammetric Aid, August 26, to September 8, 1942, and John R. Smith, Photogrammetric Aid, September 19, 1942.

These levels were controlled from Coast and Geodetic Survey, Geological Survey, and Army Engineers bench marks, and proceeded the 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 centerline of all the 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 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 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 with the 1942 second-order unadjusted bench marks were made by James M. Grover, Photogrammetric Aid, while the supplemental levels were being run; however, as the elevations of the second order bench marks were not then available they were later adjusted in the office. Between B.M. H75 and B.M. HH75 a .7 foot mistake was noted. Only one elevation between these two bench marks was affected. This elevation was later adjusted in the office.

There were no other discrepancies in the levels over .3 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 Wendell Bever, Photogrammetric Aid, September 19, 1942.

CONTOURING

This sheet was contoured by Henry M. Eldridge, Photogrammetric Aid, September 2, 1942, to September 19, 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.

Nine lens photographs were frequently consulted in the field to assist in drawing the contours.

U. S. Geological quadrangle maps were also consulted, 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. Six isolated 20-foot contours were found on Piney Neck which were not shown on the Geological Survey Map.
2. One isolated 20-foot contour was found on the northern part of Wye Island, which likewise was not shown on the Geological Survey Map.

FIELD EDIT

The portion of this sheet covered by contours was field edited by Wendell Bever, Photogrammetric Aid, August 1, 1942, to August 6, 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, etc.

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 many additions and deletions on this sheet. Numerous buildings partially obscured by foliage were found left off this sheet.

C. Bench Marks

All bench marks unadjusted of the 1942 second order level lines have been located on this sheet. Descriptions for these bench marks are to be submitted by the second order level party.

Tidal benches at Upper Wye River (3), Queenstown (3), Jackson Creek (1), and Kent Island Narrows (3) were recovered and are submitted on card forms No. 685. Bench Mark 1 at Jackson Creek, Bench Mark 1 at Queenstown, Bench Mark 2 at Upper Wye River, and Bench Mark 3 at Kent Island Narrows were shown on the map manuscript. Tidal No. 2 and 3 at Jackson Creek are submitted as lost.

The second order level party tied in to a U.S.E. triangulation station N6, located in the vicinity of Kent Narrows. The bench mark setters description of this station, which was furnished to this party, was so inadequate that it could not be recovered by the field edit party for location on this sheet. Since there are numerous bench marks in this vicinity the failure to recover and locate it is not considered important.

Note: BM-N6 use is shown on field edit sheet and is presumed to be correct.

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 are 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. Many streams were shown extending beyond their natural water course up into cultivated fields, and small swales. Limits of the stream course are shown by a green tick mark and the incorrect drainage deleted.

H. Shoreline

There were no shore line changes noted on this sheet. Docks of a temporary nature were deleted.

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 are 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 categories on this quadrangle.

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

JUNCTIONS

This sheet joins quadrangle T-8273 on the north, T-8268 on the east, T-8258 on the south, and T-8266 on the west.

The junctions of the contours and field edit were checked by Charles Hanavich, Senior Photogrammetric Aid, and are in agreement except for sheet T-8268 where the field work is still in progress. The junction with this sheet will be discussed in the descriptive report.

STATISTICS

Supplemental Levels, statute miles	40.0
Contours, Sq. statute miles	9.5
Field Edit, Sq. statute miles	35.0

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

Two tests were made to determine the accuracy of the contours shown on this sheet. The tests were made by Charles Hanavich, Senior Photogrammetric Aid, on a copy of this sheet after the contouring had been finished. They were later transferred to the map manuscript and checked. The tests were shown on the sheet by orange contours with elevations off the contour in orange and elevations on the contour by black dots.

The test at latitude $38^{\circ} 55'$, longitude $76^{\circ} 08'$, was made on September 30th, and three separate contours were run, i. e. 35 - 40 - and 45-foot. On the whole, the 40-foot contour, which was subject to the test, remained within the 35 and 45-foot test contours with this exception; a 39 and a 41 foot elevation fell below the 35-foot test contour. This section of the contour is in error by about 9 feet. Five foot contours can be added at a later date without conflicting with 80% of the contour tested.

The test at latitude $38^{\circ} 58'$, longitude $76^{\circ} 09'$ was made on October 7th, in a comparatively flat terrain. As a result of this test, two small isolated 20-foot contours were found. Whereas, the 20-foot contour which was subject to the test, was continuous. Five foot contours can be added at a later date without conflicting with any of the contour tested.

These tests are shown on the plan table sheet which is filed in the Division of Photogrammetry. 8399

REMARKS

The contours on this sheet were inked by Henry M. Eldridge, Photogrammetric Aid, on September 28, 1942, while the field edit notes were inked by Wendell Bever, Photogrammetric Aid, on September 29 - 30, 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
Edmund L. Jones*

Edmund L. Jones,
Lieutenant
C. & G. S.

Approved:

F. L. Gallen
F. L. Gallen,
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)

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

Fourth Symbol - Year of classification (substituted for first symbol where applicable)

" U " - Underpass
" 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
B - 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.

T-8267

No. 1

Remarks.

Decisions

1		USGB
2		Railway Guide
3		388761
4		"
5	Not Creek: in Wye East River	"
6		" USGB
7		" "
8		"
9		"
10		"
11		388762 USGB
12		"
13		"
14		388763
15		389761
16		"
17		"
18		"
19	In Wye River	"
20		"
21		"
22	Not Guys	" USGB
23		"
24		"
25		"
26		"
27		"
M 234		

GEOGRAPHIC NAMES

Survey No. T-8267

QUEENSTOWN 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.	
✓ Queen Annes County ✓									1
✓ Baltimore and Eastern ✓	(RR)								2
✓ Granary Creek ✓									3
✓ Dividing Creek ✓									4
✓ Quarter Cove ✓									5
✓ Wye East River ✓									6
✓ Drum Point ✓									7
✓ Bigwood Cove ✓									8
✓ Grapevine Cove ✓									9
✓ Wye Island ✓									10
✓ Wye River ✓									11
✓ Greenwood Creek ✓									12
✓ Piney Neck Point ✓									13
✓ Eastern Bay ✓									14
✓ Wye Narrows ✓									15
✓ Covington Cove ✓									16
✓ De Coursey Island ✓									17
✓ De Coursey Cove ✓									18
✓ Quarter Cove ✓									19
✓ Wye Neck ✓									20
✓ Carmichael ✓									21
✓ Bryantown ✓									22
✓ Piney Neck ✓									23
✓ Piney Neck Road ✓									24
✓ Bowser Chapel ✓									25
✓ Queenstown ✓									26
✓ Queenstown Creek ✓									27

T-8267

No. 2

Remarks

Decisions

1		389761
2		"
3		"
4		" USGB
5		" "
6		390762
7	Not Winchester	389762 USGB
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		" USGB
18		"
19		"
20		" USGB
21		"
22		"
23		"
24		"
25	May be north of limit of this sheet	390761
26		
27		
M 234		

GEOGRAPHIC NAMES

Survey No. T-8267

No. 2.

Name on Survey

	A	B	C	D	E	F	G	H	K	
✓ Little Queenstown Creek ✓										1
✓ Salthouse Cove ✓										2
✓ Bluebeards Bluff ✓										3
✓ Coursey Point ✓										4
✓ Walsey Creek ✓										5
✓ Chester River ✓										6
✓ Grasonville ✓										7
✓ Winchester Creek ✓										8
✓ Stony Bar Bluff ✓										9
✓ Jackson Creek ✓										10
✓ Long Point ✓										11
✓ Muddy Creek ✓										12
✓ Narrows (village) ✓										13
✓ Kent Island Narrows ✓										14
✓ Wells Cove ✓										15
✓ Marshy Creek ✓										16
✓ Hood Point ✓										17
✓ Piney Point ✓										18
✓ Cabin Creek ✓										19
✓ Brian Point ✓										20
✓ Hoghole Creek ✓										21
✓ Prospect Bay ✓										22
✓ Narrow Point ✓										23
✓ Parson Island ✓										24
✓ Blakeford Point ✓										25
										26
										27

W. L. Heck 4/24/42

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 map manuscript - oz alid 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-8267

QUEENSTOWN 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.

Two vertical accuracy test were made on this sheet. See descriptive report, page 5.

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 contemporary planimetric reports for comparisons with previous surveys.

Comparison with Nautical Charts Nos. 548, 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 of T-8267 are complete and adequate for chart correction.

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. 26, 1942 By D. H. Benson
under direction of D. H. Benson (per D.M.)

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

Examined and approved:

K.T. Adams
Chief, ~~Survey~~-Branch
Division of Photogrammetry

Chief, Topography Section

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

Raymond P. Egan
Chief, Div. of Coastal
Surveys