

8249

Diag'd. on Diag. Ch. No. 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-8249
(Field)

MARYLAND
OXFORD QUADRANGLE
N3837.5 - W7607.5/7.5

LOCALITY

State Maryland
General locality Eastern Shore
Locality Oxford

1942

CHIEF OF PARTY

Wm. D. Patterson

U. S. GOVERNMENT PRINTING OFFICE 315551

April 4, 1946

8249

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. T8249

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-8249

REGISTER NO.

State Maryland

General locality Eastern Shore

Locality Oxford

Scale 1:20,000 Date of survey Aug. 8-Sept. 9, 1942

Vessel War Mapping Field Party No. 1

Chief of party Wm. D. Patterson

Surveyed by John R. Smith, Orvis N. Dalbey, C. C. Fryer

Inked by Orvis N. Dalbey, Photogrammetric Aid.

Heights in feet above MSL to ground to tops of trees

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

Instructions dated August 13, 1942

Remarks: Contouring and Field Edit on Map Manuscript.

DESCRIPTIVE REPORT TO ACCOMPANY
T-8249
WAR MAPPING PROJECT CS-288-A
WM. D. PATTERSON, CHIEF OF PARTY

1. INSTRUCTIONS:

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

2. GENERAL DESCRIPTION OF AREA:

This area is comprised of a series of low necks and points reaching out into the Choptank River. The greater portion of the land area is under cultivation with woods evenly distributed throughout the area.

3. ORGANIZATION OF WORK:

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

- a - Supplementary levels.
- b - Field edit.
- c - Bridge Classification.

Operation "a" was performed by one 4-man party; operation "b" and "c" by special two-man parties.

4. LEVELS:

Supplemental levels were run on this sheet by John R. Smith, Photogrammetric Aid, August 8 to September 2, 1942, but was not continuous.

These levels were controlled from Coast and Geodetic Survey, Geological Survey, and Army Engineers bench marks, and proceeded 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 $1\frac{1}{2}$ miles in length, and along roads where the second order levels were to be later run. Level lines whose closures exceeded one foot were rerun; 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 2nd order unadjusted Oxford-Hambleton level line was made by John R. Smith, Photogrammetric Aid, August 28, 1942, after the supplemental levels had been run. There were no discrepancies in the supplemental levels over 0.29 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 level elevations on this sheet were checked against the original level records by Orvis N. Dalbey, Photogrammetric Aid, September 19, 1942. ✓

5. CONTOURING:

No contours are shown on the sheet since it was below the contour interval. The field edit party examined the area for high elevations but found the main roads followed the higher ground.

6. FIELD EDIT:

This sheet was field edited by Orvis N. Dalbey, Photogrammetric Aid, September 2 to 9, 1942.

All symbols used during the field edit are standard topographic symbols, except that a green x was used for deletions, and a green tick mark was used to indicate the limits of deletions and also the changed points 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. Much useful boundary information was furnished by Mr. John W. D. Jump, President of the Talbot County Election Board.

B. BUILDINGS:

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

The buildings in Oxford and Belle vue were located by a combination of planetable 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 which case they were slightly reduced in size.

Very few rural buildings were left off that sheet by the air-photo survey. These were added during the field edit.

C. BENCH MARKS:

All bench marks 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.

There are no other Coast and Geodetic Bench Marks in this quadrangle.

There are, however, several unmonumented USE bench marks in this quadrangle. No descriptions of these bench marks are submitted since they consist of nails in trees, wharves, etc.

D. BRIDGES:

Bridge classifications were made by C. C. Fryer, Photogrammetric Aid, while operating as a special two-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 or less 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.

There are no bridges or weak culverts on this 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 two such names were found.

G. DRAINAGE:

Nearly all of the streams (shown on the air-photo survey by a solid line) have been changed on the field edit to the intermittent stream symbol.

Many dashed lines shown on the air photo survey and indicating probable drainage unsurveyed have been deleted on the field edit. Field investigation showed no streams, intermittent streams or ditches at these places.

H. SHORELINE:

There were no shoreline changes noted on this sheet. Docks of a temporary nature were deleted, and a few permanent docks have been added.

I. POWER AND TELEPHONE LINES:

Power lines were treated in accordance with the Standard Geological Survey practice. There are no power lines in this quadrangle carrying more than 6600 volts. No lines are shown.

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

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.

7. JUNCTIONS:

This sheet joins quadrangle T-8258 on the north, T-8250 on the east, T-8242 on the south, and T-8248 on the west.

There are no contours at the junctions with the above sheets.

The field edit is in agreement with sheets T-8258 and T-8242 and was checked by Orvis N. Dalbey, Photogrammetric Aid, on September 18, 1942. The land area falls along the junction with sheet T-8248. The junction with sheet T-8250 will be discussed in the report of that sheet, since the field work is still in progress.

8. MAGNETIC MERIDIAN:

A magnetic meridian was obtained by declinatoire on September 4, 1942. The planetable was oriented along a straight stretch of road $1\frac{1}{2}$ miles southeast of Oxford on road to the mouth of Island Creek. A check on the magnetic meridian was obtained at two other places on the sheet.

9. STATISTICS:

SUPPLEMENTAL LEVELS, statute miles	21.9
CONTOURS, sq. statute miles	0.0
FIELD EDIT, sq. statute miles	26.0

10. REMARKS:

This sheet was inked by Orvis N. Dalbey, Photogrammetric Aid,
on September 15 to 18, 1942.

This sheet is complete and no further field edit is required.

Field Supervisor,

Edmund L. Jones
Lieut. U. S. C. and G. S.

Approved:

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

Submitted by,

Orvis N. Dalbey
Orvis N. Dalbey,
Photogrammetric Aid.

John R. Smith
John R. Smith,
Engineering Aid.

82
POST-OFFICE ADDRESS: P.O.Box 49, Salisbury, Md.

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

7-8-49

826

1942 NOV - 3 - PM 1:34

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

November 3, 1942.

To: The Director,
U.S. Coast & Geodetic Survey,
Washington, D. C.

From: Lieut. Comdr. F. L. Gallen,
U. S. Coast & Geodetic Survey,
Salisbury, Md.

Subject: Recovery of Triangulation Station
"Weather Bureau Mast - 1910"

Ref: Your letter dated October 15, 1942
826 - RCR

This station was investigated by Charles Hanavich
and his report is enclosed.

Photograph No. 01347 will be returned with a group
of photographs from project 288-A.

F. L. Gallen

F. L. Gallen, Lieut.-Comdr.
U. S. Coast & Geodetic Survey
War Mapping Party Number 1



POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

Refer to No. 826-RCR

October 29, 1942

To: Lieut. Comdr. F. L. Gallen
U. S. Coast and Geodetic Survey
Salisbury, Maryland

From: Charles Hanavich
U. S. Coast and Geodetic Survey
Easton, Maryland

Subject: Recovery of Triangulation Station Weather Bureau
Mast - 1910

Dear Sir:

The position of triangulation station Weather Bureau Mast - 1910, at Oxford, Maryland, Quadrangle T-8249, Project 288, was identified correctly as it is shown on the advance print of T-8249 in the position indicated on the photograph.

However, its position as a triangulation station is destroyed. This Mast was moved from its original position in a clump of trees, which are still present, by Charles Collison, Contractor, in a west-northwest direction for a distance of about 54 meters. This information was obtained from John L. Thompson, Post Master, Oxford, Maryland.

The position of the Mast as it is shown on the advance print was verified by field inspection.

Yours very truly,

Charles Hanavich
Charles Hanavich



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> Capacity	One Lane 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

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

Third Symbol

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

Fourth Symbol - Year of Classification

- "U" - Underpass
 - "T" - Tunnels
- (to be substituted for 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
Classifications:		
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

	Remarks.	Decisions
1		386761
2		" U.S.G.B.
3		" "
4		"
5		"
6		" "
7		" "
8		"
9		"
10		" "
11		"
12		"
13		"
14		" "
15		" "
16	Settlement near point, lat. 38 37'35" N. long. 76 10'10" W.	" "
17	off limits this quad.	"
18		386762 "
19		"
20		"
21		"
22		"
23	lat. 38 41'50" N., long. 76 13'12" W.	"
24		387761 "
25		"
26		"
27		"

GEOGRAPHIC NAMES
 Survey No. T-8249
 (Oxford quadrangle)
 No. 1

Name on Survey	Source										
	A	B	C	D	E	F	G	H	K		
✓ Oxford ✓											1
✓ Tred Avon River ✓											2
✓ Goldsborough Creek ✓											3
✓ Wlatty Cove ✓											4
✓ Town Creek ✓											5
✓ Benoni Point ✓											6
✓ Bachelor Point ✓											7
✓ Boone Creek ✓											8
✓ Choptank River Lighthouse ✓											9
✓ Chlora Point ✓											10
✓ Island Creek ✓											11
✓ Island Neck ✓											12
✓ Oxford Neck ✓											13
✓ Fox Hole Creek ✓											14
✓ Castle Haven Point ✓											15
✓ Castle Haven ✓											16
✓ Martin Point											17
✓ Todds Point ✓											18
✓ Choptank River ✓											19
✓ Royston Island ✓											20
✓ Irish Creek ✓											21
✓ Ferry Neck ✓											22
✓ Lucy Point ✓											23
✓ Trime Creek ✓											24
✓ Pecks Point ✓											25
✓ Long Point ✓											26
✓ Double Mills Point ✓											27

Remarks.

Decisions

	Remarks.	Decisions
1		387761
2		"
3		"
4	lat. 38° 44' 10" N., long. 76° 11' 50" W.	" U.S.G.B.
5		"
6		"
7		"
8		"
9		387762
10		"
11		"
12		"
13		"
14		"
15		" U.S.G.B.
16	Mouth near lat. 38° 45' N., long. 76° 13' 40" W.	" "
17	Only part of it south of lat. 38° 45'	" "
18	Pending with USGB: apply pending its decision Barrett Cove USGB 12/11/44	" "
19		"
20		"
21		"
22		"
23		
24		
25		
26		
27		

Does not
appear on
T 8249
map

GEOGRAPHIC NAMES

Survey No. T-8249

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	
✓ Maxmore Creek ✓										1
✓ Bellevue ✓										2
✓ Royal Oak ✓										3
✓ Solitude Creek ✓										4
✓ Oak Creek ✓										5
✓ Paintsealing Creek ✓										6
✓ Tar Creek ✓										7
✓ Baileys Neck ✓										8
✓ Broad Creek ✓										9
✓ Edge Creek ✓										10
✓ Deep Neck Point ✓										11
✓ Cedar Point ✓										12
✓ Deep Neck ✓										13
✓ Elberts Cove ✓										14
✓ Mulberry Point ✓										15
San Domingo Creek										16
✓ Hambleton Island ✓										17
✓ Barrett Cove										18
✓ Drum Point ✓										19
✓ Bridge Creek ✓										20
✓ Edwards Point ✓										21
✓ Haskins Cove ✓										22
										23
										24
										25
										26
										27

Names of Islands in Area Surveyed
 by L. Heck on 10/30/42

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.

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.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8249

OXFORD 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.

The nearest vertical accuracy test was run in quadrangle T-8250.

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 the Descriptive Reports for ^{Planimetric maps} ~~the contemporary surveys~~ T5711 and T5712 from which this map manuscript was compiled.

Comparison with Nautical Charts Nos. 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-8249 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:

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

Reviewed _____ By _____
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 White
Chief, Div. of Charts
Nautical Chart Branch

Raymond H. Egman
Chief, Div. of Coastal
Surveys