

8124

8124

Form 504 Rev. June 1941	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
<i>Air Photographic</i> XXXXXXXXXX XXXXXXXXXX	Survey No. T-8124 (Field)
MARYLAND WANGO QUADRANGLE N3815-W 7522.5/7.5	
LOCALITY	
State	Maryland
General locality	Eastern Shore of Chesapeake Bay
Locality	(Pittsville)
Wango	
1942	
CHIEF OF PARTY	
F. L. Gallen	
Fred. L. Peacock	

U. S. GOVERNMENT PRINTING OFFICE 315551

January 15, 1945

T8124

Form T-1

DATA RECORD

T- 8124

Quadrangle (II): *Wango*
N3815-W7522.5/7.5

Project No. (II): CS-278-B

Field Office: Salisbury, Md.

Chief of Party: F. L. Gallen

Compilation Office: Baltimore, Md. Chief of Party: Fred. L. Peacock

~~Instructions~~ Instructions dated (II III):
Mar. 4, Mar. 27, Aug. 13, 1942.

Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: *10/10/42*

Reported to Nautical Chart Section: *✓ 10/42*

Reviewed: *2/20/43*

Applied to chart No.

Date:

Redrafting Completed: *5/28/43*

Registered: *11/10/44*
12/29/44

Published: *10/29/43*

Compilation Scale: 1:19,640

Published Scale: 1:31,680

~~Scale Factor~~ Scale Factor (III): 1.018

Geographic Datum (III): N.A. 1927 Datum Plane (III): Mean Sea Level

Reference Station (III): MORRIS (1932)

Lat.: 38-19-44.145 (1361.1)

Long.: 75-23-56.075 (1362.0)

Adjusted x
~~Unadjusted~~

State Plane Coordinates (VI):

Maryland Coordinate System, single zone

X = 1,259,293.42 Feet

Y = 184511.83 Feet

Military Grid Zone (VI) "A"

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8716-8718	4/14/42	12:24-12:25	1:20,000	No tide waters on this quad- rangle.
8721-8723	4/14/42	12:29-12:30	1:20,000	
Single lens				
6129	unknown	unknown	60,000	
6130			to	
6131			20,000	

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source) U.S.C. & G. S. 9 lens Camera
Single lens - Commercial contract - (focal length 4")

Field Inspection by: Wm. Rasure

date: April

Field Edit by: Wm. Clark

date: Oct. 1942

Date of Mean High-Water Line Location (III): 4/14/42

Projection and Grids ruled by (III) Washington

date: 7/1/42

" " " checked by: Washington

date: 7/1/42

Control plotted by: Wm. H. Van Loon

date: 7/3/42

Control checked by: J. E. Deal, Jr.

date: 7/3/42

Radial Plot by: J.E.Deal, Jr. and J. Steinberg

date: 7/8/42

Detailed by: J.B. Kubasco

date: 8/3 to 8/31/42

Reviewed in compilation office by:

date:

Elevations on Field Edit Sheet
checked by: Salisbury Office

date: Nov. 1942

STATISTICS (III)

Land Area (Sq. Statute Miles):	58.4
Shoreline (More than 200 meters to opposite shore):	none
Shoreline (Less than 200 meters to opposite shore):	none
Number of Recoverable Topographic Stations established:	none
Number of Temporary Hydrographic Stations located by radial plot:	none
Leveling (to control contours) - miles:	64

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

DESCRIPTIVE REPORT
TO ACCOMPANY
AIR PHOTOGRAPHIC SURVEY NO. T-8124
STATE OF MARYLAND
~~PITTSVILLE~~ QUADRANGLE
WANGO

Date of this report

September 7, 1942

This rough draft map manuscript is part of War Mapping Project CS-278, and is within the sub-project division CS-278-B. This map manuscript covers the 7½' Wango quadrangle and is part of the 15' Pittsville Quadrangle.

INSTRUCTIONS:

Instructions for this project are contained in the Director's letter dated March 4, 1942 and Supplemental instructions are contained in inter-office correspondence of March 27; and June 5, 24, 1942.

FIELD INSPECTION:

Roads and woods classification, drainage, contours and elevations by Field Party No.1 under the direction of Lieut. Comdr. Wm. D. Patterson.

PHOTOGRAPHS:

Photographs were taken with the U.S. Coast and Geodetic Survey, nine lens camera (focal length 8½"); scale of 1:20,000. Additional single lens aerial mapping camera (focal length 4"). These single lens photographs were taken at 60,000 scale and enlarged to 20,000 scale.

CONTROL:

There are two U.S. Coast and Geodetic Survey triangulation stations that fall within the detailed limits of this map manuscript. Namely, they are:

Morris, Md. 1932
Twigg, Md. 1942

There are three triangulation stations that are on the outer boundaries of this survey. They are:

Pittsville West Base, Md. 1932
Ruark, Md. 1932
Gordy, Md. 1942

RADIAL PLOT:

A combined radial plot involving surveys T-8102 and T-8103, T-8124 and T-8125, was run on July 8th, 1942 by the usual celluloid template method. The number of control stations permitted good intersections on the secondary control points resulting in a very good plot. The secondary control points pricked on the 20,000 scale photographs were used in cutting in additional detail points.

Some of the photographs had a slight amount of tilt. Rather than compute the tilt, radial cuts in the center chambers of these tilted photographs were seldom used. However, the tilt on photograph No. T-8721 was computed at 2 degrees and 31 minutes, and only the center chamber was used for detailing.

HYDROGRAPHIC SIGNALS:

No hydrographic signals appear in this map manuscript.

RECOVERABLE TOPOGRAPHIC STATIONS:

No recoverable topographic stations appear on this map manuscript. 10 B.M.s located by radial plot were scaled and reported on form 524.

AZIMUTH REFERENCE MONUMENTS:

No Azimuth Reference Monuments appear on this map manuscript.

DETAIL:

A scale plot was run for the entire area CS-278-B. The scale selected for the projection to that of the photographs was very close, thus, greatly aiding in the detailing of this manuscript.

Buildings: All discernable buildings with the exception of small out-buildings and the ones that were deleted by field inspection, are shown on this map manuscript.

Roads: All roads were detailed using a single line which represents the center line of the road. For the sake of clarity, some road intersections were shown by double full lines, 0.6 mm. wide. Roads were classified according to the field inspection, with classification following military specifications, plate 42-2194, Engineer Reproduction Plant, the Army War College, dated January 12, 1942.

Wooded and Cultivated or Cleared Areas: A long broken line was used to differentiate between wooded and cultivated or cleared areas. The symbol (CL) was used for clearings. Wooded areas were classified according to field inspection, following military specifications. Wooded areas not classified on the field inspection photographs are

DETAIL (Continued)

shown with the symbol (T).

Drainage: Drainage was detailed according to field inspection, except where stereoscopic examination of the photographs indicated additional drainage which was shown by a dash-dot line. Perennial drainage is shown by a full line; intermittent drainage by a line broken with three dots.

Shoreline, Shoal, and Marsh Areas: The limits of the marsh areas are indicated by a broken line, and the marsh symbol is found within. There are no tide waters within the limits of this map manuscript.

Political Boundaries: No political boundaries were shown on the field inspection photographs. Game refuge and experimental forest were shown on the back of the map manuscript with blue acid ink.

COMPARISON WITH PREVIOUS SURVEYS:

This office does not have copies of any previous surveys of this area.

JUNCTION:

Control points were common with surveys T-8103 to the north, T-8130 to the south, T-8123 to the west, T-8125 to the east. Junctions with surveys T-8103, T-8123, T-8125 were in good agreement.

REMARKS:

All discrepancies between field inspection photographs and any omissions or differences between the inspection and office interpretation are indicated on an accompanying discrepancy overlay. Such comments and suggestions as, in our opinion, will be helpful in the field edit, have been made thereon.

HORIZONTAL ACCURACY:

The detail as shown on this map manuscript is believed to be within the limits of error as defined in paragraph 54 of instructions for project CS-278, dated March 4, 1942.

RECOMMENDATION FOR FUTURE SURVEYS:

The detail as presented on this map manuscript is believed to be complete but is to be field edited for corrections and deletions.

Respectfully submitted,

John P. Kubasco
John P. Kubasco
Photogrammetric Aid

Reviewed by,

William H. VanLoon
William H. VanLoon
Sr. Photogrammetric Aid

Approved, 10/13/47

L. W. Swanson
L. W. Swanson, Lieutenant
U.S. Coast & Geodetic Survey

Approved and Forwarded,

Fred. L. Peacock
Fred. L. Peacock
Officer in Charge
Baltimore Field Office

FIELD EDIT REPORT
PROJECT CS-278-B
QUADRANGLE T - 8124

1. The area consists of cleared farm lands and wooded sections. Small streams are present in the lower southwest corner of the quadrangle, and along the northeast and southeast edges, swamp areas are also present in the southwest corner of the sheet.

5. See descriptive report for Quadrangle T-8106.

6. See descriptive report for Quadrangle T-8106.

14. Roads have been classified in accordance with the instructions.

15. Bridges were classified by C. C. Fryer and party in accordance with the instructions.

16. Buildings were classified according to instructions dated October 1942. Only main buildings and landmark buildings were located, and shown on the map manuscript in black ink.

17. Boundary lines for the Eastern Shore Experimental Forest are shown on Photograph No. 6129.

The county boundary and political subdivision boundaries were taken from Maryland State Road Commission maps, and checked in the field. ✓

46. All additions, deletions and corrections were made on a map manuscript in the field, and then transferred to a smooth copy after completion of the field work.

The inking on field edit maps was done in accordance with the following scheme:

<u>FEATURES</u>	<u>COLOR</u>
Additions, bench marks, wye	
level elevations	Black
Deletions	Green
Contour elevations by topo.	Brown
Drainage features	Blue
Vertical control test	Orange

47. The compiling was well done, very few additions were necessary. The map is considered adequate in regard to accuracy of position.

48. No horizontal accuracy tests were made for this quadrangle, but it is believed to comply with the horizontal control accuracy specifications.

For two descriptive reports containing nearest map accuracy tests refer to report T-8104³, and T-8105⁵.

Vertical control accuracy check is shown on ~~map manuscript~~ *field edit sheet* in orange ink near Lat. 38°19', Long. 75°27'.

49. Between Lat. 38°15', and 38°19', Long. 75°26', and 75°29', a number of swamp lines have been deleted and a few swamp lines * have been added. Trees have been reclassified in parts of this area. Several trails and roads have been added. Four streams were added to the compilation in this area.

Submitted by

William C. Clark

Wm.H. Clark,
Photogrammetric Aid

Approved

F. L. Gallen

F. L. Gallen,
Chief of Party

This area known as Bear Swamp, and from appearance under stereoscope is quite evidently wet considerable portions of the year. It is thought advisable to show as swamp marsh, as the cover is too thin to show as swamp.

GEOGRAPHIC NAMES LIST FOR T-8124

Adkins Pond
Bear Swamp
Beaverdam Creek
Beech Island
Beech Island Creek
Campbell Ditch
Pinney Grove
Colbourne Branch
Davis Branch
Duncan Ditch
Eastern Shore Experimental Forest
Forest Grove
Forest Grove Branch
Givens Branch
Givens Swamp
Horse Bridge Creek
Lawes Ditch
Millville Creek
Nassawango Creek
Powell Branch
Powellville
Rohn Ditch
Savannah Branch
Shavor
Sturges Creek
Tilghman Pond
Tilghman Race
Truitt Branch
Wango
Wango Branch
Warren Ditch
Waste Gate
Waste Gate Creek
Whiton
Whiton Ditch
Wicomico County
Wicomico Game Refuge
Widow Hawkins Branch
Worcester County

Remarks.

Decisions

1		382753	
2		"	
3		"	
4		"	
5		"	
6		"	
7		"	
8	USGB decision 11/27/42: not Piney Grove	382754	USGB
9		381754	
10		382754	
11		"	
12	Name OK and included in names report. Cannot apply pending arrival names sheet so omit	"	
13		"	
14		"	
15		"	
16		"	
17		"	
18		383754	
19		"	
20		"	
21	Locality name: presumably site of a former dam	"	
22		"	
23		"	
24	Crossroads locality per names report: exact location unknown prior to arrival of name sheet. Presumably at lat. 38 22'15", long. 75 27'45".	"	
25		"	
26		"	
27	Crossroads locality according to names report	"	

GEOGRAPHIC NAMES

Survey No. T-8124

WANGO 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
Whiton	✓								1
Tilghman Pond	not shown								2
Tilghman Race	✓								3
Colbourne Branch	✓								4
Powell Branch	✓								5
Whiton Ditch	✓								6
Davis Branch	✓								7
Colbourne	✓								8
Nassawango Creek	✓								9
Sturges Creek	✓								10
Beech Island	✓								11
Beech Island Creek	✓								12
Lawes Ditch	✓								13
Wicomico Game Refuge	✓								14
Bear Swamp	✓								15
Beaverdam Creek	✓								16
Millville Creek	✓								17
Wango	✓								18
Horsebridge Creek	✓								19
Widow Hawkins Branch	✓								20
Waste Gate	✓								21
Waste Gate Creek	✓								22
Forest Grove Branch	✓								23
Forest Grove	✓								24
Eastern Shore Experimental Forest	✓								25
Wango Branch	✓								26
Shavox	✓								27

T-8124

No. 2

Remarks.

Decisions

1		383754
2		"
3		383753
4	Board decision 11/27/42	" USCB
5		"
6		"
7		"
8		"
9		"
10	Not Savannah	"
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GEOGRAPHIC NAMES

Survey No. T-8124

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	
<u>Rohn Ditch</u>	✓								1
<u>Warren Ditch</u>	✓								2
<u>Adkins Pond</u>	✓								3
<u>Powellville</u>	✓								4
<u>Givens Branch</u>	✓								5
<u>Givens Swamp</u>	✓								6
<u>Duncan Ditch</u>	✓								7
<u>Truitt Branch</u>	✓								8
<u>Campbell Ditch</u>	✓								9
<u>Savanna Branch</u>	✓								10
<u>Worcester County</u>	✓								11
<u>Wicomico County</u>	✓								12
									13
									14
Political subdivisions:	✓								15
<u>Nutters No. 8</u>	✓								16
<u>Parsons No. 5</u>	✓								17
<u>Pittsburg No. 5</u>	✓								18
<u>Willards No. 14</u>	✓								19
<u>Dennis No. 6</u>	✓								20
<u>Colbournes No. 6</u>	✓								21
<u>Atkinsons No. 7</u>	✓								22
									23
									24
									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~~ ~~marsh~~, refer to the published quadrangle for the finally adopted positions.

Descriptive Report.

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.

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 celluloid manuscript.

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 C.S.278-B, 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:

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000. (This photography was supplemented by the use of single-lens photographs.) Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs.

Contouring by planetable directly on the photographs. Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, drive-ways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Compilation on the map manuscripts by radial plot methods (celluloid hand templates) of all planimetry and contours. These manuscripts were drawn on the scale of 1:20,000 on celluloid sheets on which polyconic projections had been ruled with the Projection Ruling Machine in the Washington Office. Compilation was accomplished in the Baltimore ~~Tampa~~ Photogrammetric Office.

FIELD EDIT

Comparison of a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8124

WANGO 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 - See the Descriptive Report for T-8103 for the closest horizontal accuracy test comparisons. The results of this test were very satisfactory. The vertical accuracy test was performed on the field edit sheet in orange ink. This test shows the original field work to be adequate.

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.

There are no previous topographic surveys of this Bureau with which to compare this quadrangle.

"Pittsville" 1:62,500 1902 U.S.G.S.

Comparison with Nautical Charts Nos. 1220

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 area covered by T-8124 is not detailed on chart 1220. ~~and should be applied.~~ There is no shoreline of navigable waters on this quadrangle.

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

Only minor corrections were necessary.

Reviewed 2/20/43 By Jack L. Pihl
under direction of D. H. Benson

Inspected by B. G. Jones *B.G. Jones*

Examined and approved:

Robert W. Knox
Chief, Surveys Branch

K. T. Adams
Chief, Topography Section

J. B. Dorden
Chief, Div. of Charts

J. F. Rude
Chief, Div. of Coastal
Surveys