

8107

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Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic

Field No. _____ Office No. T-8107

LOCALITY

State Maryland

General locality Chesapeake Bay

Locality Chicamacomico Quadrangle

N3822.5-W7552.5/7.5

194 2

CHIEF OF PARTY

Lieut. Comdr. Kenneth G. Crosby

Lieut. Comdr. W. D. Patterson

LIBRARY & ARCHIVES

DATE _____

INDEX

	Name	Date	Hours
Control Survey.....	LCB, ALK, CLB	June	2 1/2
Planotable Survey.....			
FIELD INFORMATION			Total 2 1/2

Index			
Preparation of Drawings.....	ALK, CLB	June	2 1/2
Field Work.....			
Inking Notes.....			
Const Pilot Notes.....			
Geographic Name Reports.....			
Land Marks for Charts.....			
Description Cards.....			
Recovery Notes.....			
Total			2 1/2

MAIN RADIAL PLOT

Scale Plot.....	LCB, CLB	June	4
Projection on Base Sheet.....	Wash. Office		
Projection on Survey Sheet.....			
Control Plotted.....	LCB, CHW	June, Aug.	1 1/2
Control Checked.....	ALK	June	3
Control Trans. to Base Sheet.....	LCB, FRE	July, Aug.	2 1/2
Transfer Checked.....	ALK	July	2
Control Picked on Photograph.....	ALK	June	4
Control Checked on Photograph.....	CHW	June	5 1/2
Hydro & Topo. Stations Picked.....	ALK, CHW	June	18 1/2
Radial Points Picked.....	LCB, CHW	June	9 1/2
Adjacent Centers Picked.....	X	May	9 1/2
Templates.....	ALK, HAC	June, Aug.	10 1/2
Radial Plot.....	X	July	9
Radial Points Transferred.....	CHW	July	2 1/2
Transfer checked.....	CHW, LCB	July	5
H & T Stations Sealed & Checked.....	LHZ, ALK	Aug.	7
Additional Radial Points.....			
Investigation of Radial Points.....	LHZ	July	14 1/2
Total			96

DETAILS

Rough Draft.....	LHZ	July, Aug.	174
Smooth Draft.....			
Total			174

COMPILATION

Home overlay.....	LHZ	Aug.	12 1/2
Descriptive Report.....	LHZ	Aug.	7
Field Review.....	JHSB	Aug.	10
Total			29 1/2

Total time spent on Sheet.....: 304 1/2 hours

X-Several of Office Personnel

PHOTOGRAPHS

Number	Date	Time	Stage of Tide
8793	April 14, 1942	3:03 P.M.	No tide data
8796	"	3:03 P.M.	
8797	"	3:09 P.M.	
8798	"	3:11 P.M.	
8811	"	3:30 P.M.	

Tide from predicted tables for: No Tide Data

Camera: U. S. Coast and Geodetic Survey Nine-Lens (focal length 8 1/2 inches)
Negative on file at the Washington Office.

Scale

Mean scale of Photographs..... 1:19,640
Scale of Survey Sheet..... 1:19,640

STATISTICS

Area (land)	60	Square statute miles
Shoreline (more than 200 m. from opposite shore)	2	Statute miles
Shoreline (creek)	74	Statute miles
Roads, streets, trails, and railroads.....	50	Statute miles

REFERENCE STATION

Station: North 1942
Datum: N.A. 1927

Latitude: 38° 25' 35.154" (10840 m.)
Longitude: 75 58 15.027 (365.1 m.)
35.155 adjusted
15.055

Maryland state coordinate system (single zone)

x =

y =

to be added, when available

(1)

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET NO. T-8107

GENERAL

This sheet was compiled in accordance with "Instructions for Defense Mapping, Project C. S. 278", dated March 4, 1942.

The general location of the area covered by this sheet is Maryland, Chesapeake Bay, in the vicinity of the Chicamacomico River.

The Southern one-third of the sheet is mostly marsh, rivers, creeks and ponds. The rest of the sheet is cultivated fields and woodland. The woods are made up of pine and deciduous trees.

All roads have been shown by a single line and should be smooth drafted with a minimum width of 30 feet. *? This means that none need be shown wider than the standard drafting width of about 0.8 mm. for roads all roads less than about 50 ft wide. B.G.D.*

CONTROL

The following three triangulation stations fell within the tracing limits of the sheet and were used for control:

<u>STATION</u>	<u>ESTABLISHED BY</u>	<u>YEAR</u>
GORE	G. W. Lovesee	1942
NORTH	G. W. Lovesee	1942
SAVANNAH (TanB)	John Bowie, Jr.	1934

MAIN RADIAL PLOT

A continuous radial plot was run on ~~July~~ 6, 1942, for the purpose of locating all photograph centers, hydrograph and topographic stations, bench marks, azimuth marks and radial points. The plot extended over the entire area covered by quadrangles 7, 8, 21 and 22.

The plot consisted of 18 templates. Six templates had from 10 to 15 control stations within their limits, namely: 8789, 8790, 8792, 8793, 8799, 8653; the remaining templates had from 4 to 10 control stations within their limits. All templates not rigidly fixed by triangulation control were laid by holding to well established points which had been determined by radial intersections of previously laid and well controlled templates.

The usual practice of laying the main radial plot was followed. Control was plotted and checked on the survey sheets and then transferred to the base grid sheets by matching individual squares. The amount of adjustment in each grid was negligible. The grid sheets were taped to the plotting table and allowed to remain for 24 hours before any templates were laid. Prior to laying the templates, the base grid sheets were examined for movement, and readjusted if any movement had taken place.

Excessive tilt was found in several photographs, the worst condition existing in photographs 8793, 8794, 8795 and 8801.

All points located by the radial plot were transferred and checked

on the survey sheet by matching individual grid squares.

Various colored inks were used on the photographs and the survey sheet to designate triangulation stations, traverse stations, topographic and hydrographic stations, etc. The following key is furnished for reference:

Photographs

Triangulation and Traverse Stations..... 2.5 mm blue circle
Hydrographic & Topographic Stations..... 2.5 mm green circle
Radial Points in Main Plot..... 2.5 mm red circle
Radial Points (additional)..... 3.5 red circle (mm)
Photograph Centers..... Double White Circle

Survey Sheet

Triangulation and Traverse Stations..... 3.5 mm high black triangle
Hydrographic & Topographic Stations..... 2.5 mm black circle
Radial Points on Main Plot..... 2.5 mm purple circle on back of sheet
Radial Points (Additional)..... 3.5 mm purple circle on back of sheet
Photograph Centers..... Double purple circle on back of sheet

FIELD INSPECTION

The field inspection was done by D. L. Greene, T. A. Zary, and G. R. Fish by truck during May 1942.

Field notes were not sufficient to classify the roads or vegetation. Classification of vegetation was done by comparing other field notes.

INTERPRETATION OF PHOTOGRAPHS

The photographs were clear and no trouble was experienced in their interpretation.

DETAILING

The sheet was rubbed with dry magnesium carbonate and then washed with soap and water before the detail was started. The stereoscope was used in determining some of the shoreline and vegetation lines.

JUNCTIONS

Geographic names were obtained from Maryland State road map of Dorchester County.

LANDMARKS

There are no prominent landmarks on this sheet.

Forwarded by:

Kenneth G. Crosby
Kenneth G. Crosby,
Chief of Party....

Respectfully submitted,

Leland H. Zellars
Leland H. Zellars,
Photogrammetric Aid

DESCRIPTIVE REPORT TO ACCOMPANY
T-8107
WAR MAPPING PROJECT GS-278-C
Wm. D. Patterson, Chief of Party
Field Inspection & Field Edit Report

INSTRUCTIONS:

This work was executed under the Director's instructions dated March 4, 1942; Supplemental Instructions dated March 27, 1942, and August 13, 1942.

GENERAL DESCRIPTION OF THE AREA:

This area is comprised of approximately 50 per cent marsh area, 25 percent wooded land, and 25 percent farm land.

The highest elevations are in the northeast portion of the quadrangle. The land is drained by the Transucking and Chicamacomico Rivers, both running north and south across the entire length of the quadrangle.

The northern portion is well covered by second and third class roads, affording access to all locations by truck. The southern portion is covered by a large marsh with very few roads or trails.

SURVEY METHODS:

Horizontal and vertical control stations were identified on single lens photographs 12414, 12415 and 12453, all stations were referred to on the photographs as described in the first method of paragraph 14 of the instructions, picking cards were prepared for azimuth marks of the horizontal control stations.

Wye levels were controlled horizontally by spotting the position of elevation points on single lens photographs.

All elevations were later transferred to nine lens photographs used in contouring the area.

All contouring was done on nine lens photograph 8797 by standard plane table methods, except that planetable positions were located from detail shown on the photograph.

FIELD INSPECTION:OF AIR PHOTOGRAPHS

This work was completed by John C. Lajoie, Senior Photogrammetric Aid, on single lens photographs numbered 11453, 12414 and 12415 and nine lens photographs numbered 8793, 8796, 8797, and 8798.

LEVELING

The leveling was done by Gordon Bowker, Photogrammetric Aid, wye levels were observed along all the principle roads and elevations were established at road intersections, prominent fence corners, and centerlines of bridges.

The errors of closure was generally less than 0.2 of a foot. A closure of one foot was allowed before a re-run was necessary. Photographs 12411, 12413, 12451 were used in this work.

The level party was composed of four men, observer, notekeeper, and two rodmen. A Wye Level, with 12 foot rods graduated in feet and tenths was used.

Elevations were read to tenths at road intersections, and hundredths for turns.

CONTOURING

The contouring was done by L. G. Chambers, Senior Engineering Aid, with a planetable and telescopic alidade, nine lens photograph numbered 8797 was used. The only contour being in the northeast corner of the quadrangle.

FIELD EDIT:

This area was field edited by C. O. Rector, Photogrammetric Aid. All symbols used were according to U. S. Geological Survey Bulletin No. 788, and from instructions issued by the Chief of Party, dated August 12, 1942. The position of additional detail was found by pacing from well defined, given detail.

. The planetable and wye level elevations were checked against the original photographs in the office before beginning of field work. ?
Probably means that elevations transferred from level. Probably means that the transfer of elevations from level records to photo photos. was checked before beginning contouring. RGR.

A. Boundaries

Boundaries of political sub-divisions were transferred to the map manuscript from Census Bureau Maps and checked in the field.

B. Buildings

All buildings missing from the Map Manuscript were located by pacing from definite points shown on the map manuscript, and checked by the photograph. The only public buildings in the area are three small frame churches and were indicated on the map manuscript, while barns, houses and chicken houses were classified.

C. Bridges

Bridges were classified as to strength, and horizontal and vertical clearance by C. C. Fryer, Senior Photogrammetric Aid, in accordance with special instructions issued by the War Department.

D. Roads

All rural roads, with the exception of short private roads, and some short woods trails, were classified.

E. Woods

All wooded areas were investigated for density, concealment, type of trees and the absence or abundance of brush, which would cause impediment.

F. Drainage

All ditches shown on the map manuscript were left intact, as necessary drainage for cultivated areas.

G. Marsh Area

The marsh area outline was left as interpreted by the inspector.

H. Shoreline

The shorelines of the Transquaking and Chicamacomico Rivers were checked as much as possible by truck and left as interpreted by the inspector.

I. AIDS TO NAVIGATION

There were no aids to navigation on this quadrangle.

J. Landmarks for Charts

There were no prominent landmarks on this quadrangle.

K. Powerlines - Telephone lines

Power line positions were taken from the maps of Choptank Cooperative Incorporated and checked in the field.

Telephone lines were not shown on the map manuscript as they run parallel with the roads.

L. Geographic Names

Geographic names were investigated by a party headed by A. J. Wraight, Photogrammetric Aid. The names shown on the map manuscript were taken from Geographic Names Sheets which are to be submitted as a separate report.

JUNCTION

The junctions were checked on the south with manuscript T-8120 and on the east with manuscript T-8106, and no error was found, the manuscript has not been checked on the west or north since these sheets have not yet been received.

REMARKS

There were no cuts or fills found in the area.

STATISTICS

Statute miles of wye level lines24.5
Square statute miles of contouring 0.5
Square statute miles of field edit57.0

Supervised by:

Emil H. Kirsch
Emil H. Kirsch
Lieutenant
U. S. Coast & Geodetic Survey

Submitted by

Charles O. Rector
Charles O. Rector
Photogrammetric Aid

Approved:

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

October 26, 1942

To: Lieut. Comdr. F. L. Gallen,
U. S. Coast and Geodetic Survey,
War Mapping Party No. 1,
P. O. Box 49,
Salisbury, Maryland.

From: The Director,
U. S. Coast and Geodetic Survey.

Subject: Field Edit of Quadrangle T-8107.

Please notify this office as to the correct interpretation of minor details on the above quadrangle which are listed below and which are noted on the enclosed ozalid copy of the quadrangle.

- (1) Swamp Areas - Several small wooded areas are partially outlined in dashed blue lines on the field inspection photographs submitted with this quadrangle. In the past the dash blue line has been used to indicate swamp. If this is true in the case of quadrangle T-8107, please complete the outlining of the swamp on the ozalid print and return it to this office, or forward the remaining field inspection photographs which show the outlines.
- (2) Marsh Areas - In several places along the Chicamacomico River the photographs show areas which are somewhat lighter in tone than the adjacent marsh. These have been classified by the compilation office as grass areas. No field inspection notes are indicated on the field inspection photographs so far forwarded and there is some question as to whether this classification is correct. It is thought that these areas may also be marsh and the difference in photographic tone may be due to a slight difference in the amount of light reflected from the areas.

Lieut. Comdr. F. L. Callen

-2-

October 26, 1942

It is noted that none of the streams on the quadrangle are classified as intermittent. On every other quadrangle submitted to date much of the drainage has been classified as intermittent, and the question arises as to whether this has been overlooked on quadrangle T-8107.

Enclosure.

~~(SIGNED)~~ J. H. HAWLEY
Acting Director.

28 KTA
POST-OFFICE ADDRESS: Box 49, Salisbury, Md.

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

T-8107

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

October 28, 1942

NOV 12 1942
NOV 12 1942
NOV 12 1942
The Director
U. S. Coast and Geodetic Survey
Washington, D. C.

From: Lieut. Comdr. F. L. Gallen
U. S. Coast and Geodetic Survey

Subject: Field Edit of Quadrangle T-8107

All field inspection photographs for quadrangle T-8107 are in Washington Office. The questions pointed out on the enclosed ozalid copy of the quadrangle were investigated in the field on October 27, 1942 and the following information was obtained:

(1) Swamp area - In the area marked 1 on the print the ground is dry with the exception of a few very small patches along the creeks. This should not be shown as swampland. The area is no doubt wet during a rainy season and it could be classed as wet weather swamp.

The area marked 1A is definitely wet with scattered patches of trees and the area outlined should be shown as swampland. Marsh where there are no trees.

(2) Marsh area - The grass symbol is incorrect. The small patches are cattails in the marsh.

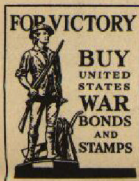
The two fences mentioned should be deleted.

The Streams in this quadrangle are subject to tidal action and are therefore not intermittent.

Corrections made on field edit sheet. Bgg

Corrections made on field edit sheet
JLR

F. L. Gallen
F. L. Gallen
Chief of Party



T-3107

No. 1

Remarks

Decisions

1		584758
2		"
3		"
4		"
5		584758
6		"
7		584759 U.S.G.B.
8		"
9		"
10		"
11		"
12		584760
13		584759 U.S.G.B.
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8107

CHICAMACOMICO 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,	
✓ Cokeland ✓									1
✓ Steels Neck ✓									2
✓ New Bridge ✓									3
✓ Otter Pond Branch ✓									4
✓ Hurler Neck ✓									5
✓ Board Creek ✓									6
✓ Savanna Lake ✓									7
✓ Island Creek ✓									8
✓ Irish Creek ✓									9
✓ Doctors Creek ✓									10
✓ Guinea Marsh ✓									11
✓ Transquaking River ✓									12
✓ Chicamacomico River ✓									13
✓ Bestpitch ✓									14
✓ Bestpitch Ferry ✓									15
✓ Drawbridge ✓									16
✓ Beaverdam Creek ✓									17
✓ Middletown Branch ✓									18
✓ Cow Range ✓									19
✓ Tripps Neck ✓									20
✓ Island Pond ✓									21
✓ Deila Hill ✓									22
✓ Bare Swamp ✓									23
✓ Parish Pond ✓									24
✓ Griffith Neck ✓									25
✓ Brick House Landing ✓									26
✓ Eagle Hall ✓									27

Remarks

Decisions

1		38.759
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		
19		
20		
21		38.759
22		38.759
23		"
24		"
25		"
26		"
27		

GEOGRAPHIC NAMES

Survey No. T-8107

No. 2

Name on Survey

	A	B	C	D	E	F	G	H	K	
✓ Cedar Landing ✓										1
✓ School Pond ✓										2
✓ Julie Pond ✓										3
✓ Windmill Island Creek ✓										4
✓ Hog Island ✓										5
✓ The Canal ✓										6
✓ Thorofare Marsh ✓										7
✓ Beaverdam Pond ✓										8
✓ Hurlock Neck ✓										9
✓ Hurlock Creek ✓										10
✓ Sand Hill ✓										11
✓ Fork Neck ✓										12
✓ Buzzard Neck ✓										13
✓ Stanley Neck ✓										14
✓ Manning Range ✓										15
✓ Sagefield ✓										16
✓ Rocky Hook ✓										17
										18
Following new names are approved, on basis of field party's report, and may be applied if the features concerned are sufficiently well defined on the quadrangle: (marked on name overlay):										19
										20
✓ Rush Creek ✓										21
✓ Windmill Island ✓										22
✓ Crow Island ✓										23
✓ Majors Island ✓										24
✓ Guinea Island ✓										25
✓ Chance Island ✓										26
										27

James Underhill in red approved
by L. Heck on 11-14-2

ABBREVIATIONS

ROADS

- W — Width (feet bet. shoulders)
P — Private road
OP — Overpass
UP — Underpass
X — Abandoned trail, road, etc.
RR — Railroad tracks; as 2 tracks

WOODS CLASSIFICATION

Density Classification

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

Types of woods

- D — Deciduous
P — Evergreen and pine
R — Brush
S — Scrub
Y — Cypress
L — Young trees (LP—young pines
LD—young deciduous trees)

SHORE LINE

- HWL — Mean high water; fast land
LWL — Low water line
LL — Light line; marsh shore line
M — Marsh inshore limits
MW — Marsh grass in water
Dk — Dock
Pier — Pier
Se W — Sea wall
Bkhd — Bulkhead
Jet — Jetty
Dol — Dolphin
Pile — Pile
S — Sand
Mud — Mud
Rk — Rock or rocky
Sty — Stony
Conc — Concrete
Wo — Wood
Blf — Bluff
Dune — Dune

BOUNDARIES

- F — Fence
Sty F — Stone fence
F B — Fire Break
Hdg — Hedge
Park — Park
Cem — Cemetery
Co — County
Md. — Maryland
Va. — Virginia
Bdy — Boundary

VEGETATION

- C — Cultivation
Gr — Grass

BUILDINGS

- Ho — House
Ba — Barn
Sh — Shed
Bldg — Building
Bo Ho — Boat House
Ch — Church (give name)
Ct Ho — Court House (give name)
P O — Post Office (give name)
Sch — School (give name)
Hos — Hospital (give name)
RR Sta — Railroad station
Sto — Country store or gas sta.
P Sta — Power Station
Ck H — Chicken House
D — Dwelling

LANDMARKS

- FT — Fire tower
TT — Transmission tower
RT — Radio Tower or mast
Air Bn — Airway beacon
Bn — Non-lighted aid to navigation
Lt — Lighted aid to navigation
Tk — Low tank
Tk elev — Tall tank
Stk — Stack

STREAMS, PONDS & BRIDGES

- D — Largest ditches only
DX — Small
IS — Intermittent stream
PD — Probable drainage
Cr — Creek
Ca — Canal
Brg — Bridge, (capacity & clearance)
Cv — Culvert (capacity)
Lev — Levee
Dam — Dam
P — Pond
IP — Intermittent pond

ROAD CLASSIFICATION FOR MAPS OF ALL SCALES

CLASS	LABEL	STRUCTURE	LOADING
1	Dependable hard-surface heavy duty road.	Concrete, asphaltic concrete bituminous Macadam, H-15 type structures.	Will bear heaviest loads with little maintenance.
2	Secondary, hard-surface all-weather road.	Surface-treated, oiled gravel, waterbound Macadam, structures generally lighter than H-15 but sturdy.	Will bear fairly heavy military loads in all weather if maintained.
3	Loose-surface graded, dry-weather road.	Gravel or stone surface, stable material, selected sand-clay, etc. Drained and graded.	Will bear light military loads in good weather.
4	Unimproved road.	Graded and drained earth, with very light structure.	Generally unsuitable for military loads.
4U	Truck road	Woods roads, farm roads, etc. over which a standard gage vehicle can be driven.	
5	Trail	(Horse trails, foot trails, etc.)	

Roads with more than two (2) lanes are indicated by note along road, e. g. 3 LANE. Change in lanes shown by tick at point of change. Main roads have two lanes unless otherwise marked.

Private roads are designated by the letter P after the road classification.

WOODS CONCEALMENT CLASSIFICATION

Class A: Trees over 10' high and thick enough to hide troops.

Class B: Brush thick enough to hide troops but dense enough to impede progress.

Class C: Scattered brush thick enough to hide troops but not thick enough to impede progress.

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>	<u>One Lane</u>	<u>Unlimited</u>
<u>Capacity</u>	<u>5 m.p.h.</u>	
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>	A - over 14'
(clear height for	B - " 13'
width of 10')	C - " 12'
	D - " 11', etc.

Third Symbol

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

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
③	-	U. S. Highway No. 3
③	-	State Highway No. 3
④	-	County Highway No. 3.

DIVISION OF CHARTS

SURVEYS BRANCH

Review of Air Photographic Survey T-8107
(Chicamacomico Quadrangle) October, 1942)

This and the adjoining air photographic surveys were made for the preparation of topographic quadrangles for the War Department. The main divisions of the field surveys and office compilation in preparing these quadrangles are listed as follows for future reference:

FIELD WORK

1. Air photography
2. Field inspection for the identification of control and for the classification and clarification of planimetric details on the photographs.
3. Leveling and contouring: Contouring was accomplished by planetable directly on prints of the air photographs.

PHOTOGRAMMETRIC OFFICES

4. Compilation of all planimetric details and of contours from the photographs onto a celluloid manuscript: This compilation of details was accomplished for all of the war mapping quadrangles in either the Baltimore or Tampa Photogrammetric Office.

FIELD WORK

5. Field edit and completion surveys: Upon completion of the manuscripts, prints were furnished to the field party for ground examination of the maps as to completeness. Necessary corrections were made by planetable. These surveys included systematic horizontal and vertical accuracy tests which are recorded in special reports.

WASHINGTON OFFICE

6. Review: Following the field edit the maps were reviewed in the Washington Office as regards conformance to specifications and to prepare them for smooth drafting.
7. Drafting and reproduction: Smooth color separation drawings were made on metal-mounted blue lines and the quadrangles were printed from these drawings.

The check list containing a record of all work in the Washington Office is filed in the Photogrammetric Section.

The map manuscript was compiled at the scale of 1:20,000 and includes information of interest to this Bureau, not all of which was shown on the printed quadrangle. For this reason a cloth-backed copy of the rough drawn manuscript will be filed in the vault, together with a cloth-backed copy of the printed quadrangle.

For political boundaries, woodland, marsh, and swamp limits, refer to the printed quadrangle for the finally adopted positions.

Contemporary Hydrographic Surveys

None

Comparison with Previous Topographic Surveys

T-267	1:20,000	1901-02
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Only small differences exist.

T-2549	1:20,000	1901-02
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Transquaking River is shown about 25 meters wider than at present. Extensive changes in location of small creeks are indicated. Island Creek is shown nearly 2,000 meters different from that shown on T-8107. T-8107 is considered adequate to supersede both of the above surveys throughout their common areas.

Comparison with Nautical Chart 1224

T-8107 has not been applied to chart 1224 and consequently the large differences in position of minor drainage noted above are also present on this chart.

Swamp area, vicinity of Transquaking River is shown in red, overlaid and after quad was printed of film, negative was delivered to U.S.E. Division noted in files of well be added to blue plate when sheet is reprinted.

Comparison with Published Quadrangles

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

The cultural features remain essentially the same. Differences in location of minor drainage such as discussed above also exist on this survey.

T-8107 is adequate to supersede this quadrangle throughout the common area.


Radial Plot and Detailing

No revision of the radial plot was necessary and the detailing in general was adequate and accurate. Minor revisions to high water line were applied during the office review.

Subsequent to review and printing, minor errors in marsh and swamp limits were discovered. These have been indicated in red ink on the file copy of the printed quadrangle.

Reviewed under direction of D. H. Benson

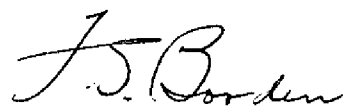
Inspected by R. M. Berry and B. G. Jones *BAG*




Chief, Surveys Branch



Chief, Section of Topography



Chief, Division of Charts



Chief, Division of Coastal
Surveys