

8121

8121

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

DESCRIPTIVE REPORT

Air Photographic Sheet. No. T-8121
Plane Table ~~Survey No.~~
Hydrographic (Field)

Maryland
Wetipquin Quadrangle
N3815-W7545/7.5

LOCALITY

State *Maryland*
General locality *Chesapeake Bay*
Locality (*Vicinity of Wetipquin*)
Wetipquin

194 2

CHIEF OF PARTY

Lieut. Comdr. Kenneth G. Crosby

U. S. GOVERNMENT PRINTING OFFICE 316551

F. L. Gallen

Applied to Chart correction 567 March 1945. H.V.K.
" " 554 JFW 4/4/56

DATA RECORD

T-8121

Quadrangle (II): Wetipquin
N 3815-W 7545/7.5

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

Field Office: Salisbury, Md.

Chief of Party: F. L. Gallen

Compilation Office: Tampa, Fla. Chief of Party: K. G. Crosby

Instructions dated (II III): 3/4/42
3/27/42
8/13/42

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

Completed survey received in office: 9-14-42Reported to Nautical Chart Section: ✓ 9-15-42Reviewed: 12/28/42

Applied to chart No.

Date:

Redrafting Completed: 4/28/43Registered: ~~11/4/44~~ 1/10/45Published: 9/2/43

Compilation Scale: 1:19,640

Published Scale: 1:31,680

Scale Factor (III): .982

Geographic Datum (III): NA 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): Clara 1932

Lat.: 38°-16'-31.367" (967.1) Long.: 75°-48'-57.735" (1403.4) Adjusted x
~~Unadjusted~~

Maryland System - Single Zone
 State Plane Coordinates (VI):

*To be added later.*1,139,895.73

X = ~~1,138,880.54~~ feet. Y = 163,186.96 feet.

Military Grid Zone (VI)

"A"

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u> <u>Mean</u>	<u>Stage of Tide</u>
8653	4/14/42	10:46	1:19,640	1.4 ft.
8654	"	10:48	"	1.4 ft.
8655	"	10:50	"	1.4 ft.
8792	"	15:02	"	1.9 ft.

Tide from (III): Predicted tables: Great Shoals Light, Chesapeake Bay, Md.

Mean Range: 2.3 ft. Spring Range: 2.8 ft.

Camera: (Kind or source) U.S.C. & G. Survey Nine lens (focal length 8 1/4 in.)

Field Inspection by: T.A.Zary, J. C.Lajoye, Gordon Wood, date: April & May 1942
and H.M. Eldridge

Field Edit by: G. L. Anderson date: Oct. 1942

Date of Mean High-Water Line Location (III): April 14, 1942.

Projection and Grids ruled by (III) Washington date: July 1942

" " " checked by: date:

Control plotted by: L. C. B. date: June 1942

Control checked by: A. L. K. date: June 1942

Radial Plot by: Tampa Office date: July 1942

Detailed by: A. L. K. date: July, Aug. 1942

Reviewed in compilation office by: J. A. G. date: Sept. 1942

Elevations on Field Edit Sheet
checked by: Salisbury Office date: Oct. 1942

STATISTICS (III)

Land Area (Sq. Statute Miles): 55.009 statute mi.

Shoreline (More than 200 meters to opposite shore): 25.6

Shoreline (Less than 200 meters to opposite shore): 76.9

Number of Recoverable Topographic Stations established: 4

Number of Temporary Hydrographic Stations located by radial plot: 5 Beacons, planetable, field edit

Leveling (to control contours) - miles: 49.0

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

SHEET NO. T-8121

GENERAL

This sheet was compiled in accordance with instructions for Project CS-278, dated March 4, 1942.

The general locality of the area covered by Sheet T-8121 is Maryland, Chesapeake Bay vicinity of Wetipquin, between the mouth of the Nanticoke and Wicomico rivers.

Cultivated fields, wooded areas and marshland, in general comprise the land area in the sheet.

Large and permanent buildings only have been shown. The shapes of the buildings were shown where possible but their small size on the photographs made this difficult in some cases. All roads have been shown by a centerline and should be smooth drafted 30 feet wide.

When the sheet was received by the draftsman the military grid was shown by blue lines. These lines were re-inked with black acid ink.

CONTROL

Thirteen triangulation stations lie within the tracing limits of the sheet. All of the stations were established by the United States Coast and Geodetic Survey.

The following triangulation stations were plotted on the sheet:

NAME OF STATION	YEAR	ESTABLISHED BY:
Green	1932	E. H. Brown
Widgeon	1932	E. H. Brown
Child	1907	C. C. Yates
Earle	1907	C.C. Yates
Moore	1934	John Bowie
Clara	1932	E. H. Brown
Jones	1907	C.C. Yates
Walnut	1907	C.C. Yates
White Haven Church 2	1907	C.C. Yates
Haven	1932	E. H. Brown
Collins	1932	E. H. Brown
Mud	1932	E.H. Brown
Church	1932	E.H. Brown

MAIN RADIAL PLOT

A continuous radial plot was run on July 6, 1942, for the purpose of locating all photograph centers, hydrographic and topographic stations, bench marks, azimuth marks and radial points. The plot extended over the entire area covered by quadrangles T-8106, T-8107, T-8121, and T-8120.

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

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

Survey Sheet

Triangulation and Traverse Stations	.....3.5 mm high black triangle
Hydrographic and 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.

INTERPRETATION OF PHOTOGRAPH

The photographs were clear except in the extreme east central part of the area in the vicinity of Tyaskin. This locality was obscured by smoke on all of the 9-lens photographs. The single lens photographs 11-446 and 11-448 were used in detailing Tyaskin. The photograph centers, control station and radial points were plotted on the single lens picture and they were used in exactly the same way as the 9-lens photographs. *west?*

Part of the areas of vegetation were not inspected by the field party. These were interpreted by the draftsman by comparison with nearby known areas. A question mark was inserted with the vegetation description if there was any doubt as to the true character of the vegetation.

No particular difficulty was experienced in the interpretation of the photograph. The draftsman differed somewhat from the field inspectors in his interpretation of certain features. This will be discussed under Field Inspection.

FIELD INSPECTION

The field inspection was made by T. A. Zary, J. C. Lajoie, Gordon Wood, and H. M. Eldridge during April and May of 1942.

Field notes on the character and density of vegetation were reasonably complete. Unmarked areas were labeled on the sheet by comparison with similar marked vegetation.

All roads were labeled satisfactory with the exception of the trails and fourth class roads. Most of these were marked entirely from an inspection of the photographs.

The field notes on the marsh areas along the shores of the larger streams were inconsistent and did not agree with the findings of the draftsman. The marsh was labeled "grass" on the field inspection sheets. The solid and dashed blue lines were used incorrectly in a large number of places and were given little consideration by the draftsman in delineating the marsh areas.

No churches or schools are marked on the field inspection sheets. Existing county maps of the area are of too small a scale to permit their use in locating the schools and churches.

The legend used by the field inspection party and the draftsman has been made apart of this report.

NON-FLOATING AIDS

There are no aids to navigation within the area of the sheet.

JUNCTIONS

This sheet joins T-8106 on the north, T-8122 on the east, T-8133 on the south and T-8120 on the west.

The junctions have been made on all sides and agree very well except for southern part of the junction with T-8122 which was compiled in the Baltimore office and the discrepancy probably arises from the fact that the two sheets were parts of different radial plots.

COMPARISON WITH OTHER SURVEYS

Existing charts are of such small scale that accurate comparison are not practical.

GEOGRAPHIC NAMES

The geographic names used on the sheet were taken from the United States Coast & Geodetic Survey chart 1220 (Chesapeake Bay, Smith Point to Cove Point)

LANDMARKS

No prominent landmarks were discovered in the area covered by the sheet.

Respectfully submitted,

Albert L. Kidwell
Albert L. Kidwell
Photogrammetric Aid

Forwarded:

K. G. Crosby
Lieut. Comdr. K. G. Crosby

omc

Field Inspection and Field Edit
DESCRIPTIVE REPORT TO ACCOMPANY
T-8121

WAR MAPPING PROJECT CS-278
F.L.Gallen, Chief of Party

GENERAL DESCRIPTION OF AREA

This area is very flat with a gradual slight slope from the north to south. Seventy five percent of the area is covered with forests of pine and deciduous trees. Farming is carried on in a few isolated regions. The northern portion of the area is traversed by the Quantico Creek, while the Wicomico River flows through the central southeastern portion.

The area is traversed by two first class roads and several second and third class. The greater portion of the area can be reached by motor roads, all of which are passable except during the rainy season.

SURVEY METHODS

Horizontal and vertical control stations were identified on the single lens photographs covering the area. All stations were referred to the photographs as described in the first method of paragraph 10 of the instructions. Picking cards were also prepared for the Azimuth Marks of the horizontal control stations.

Wye levels were controlled horizontally by spotting the position of elevation points on the photographs. Both single and nine lens photographs were used. The numbers were single lens 10113, and 11447, nine lens number 8654. Wye level elevations and positions were transferred to the nine lens photographs used in contouring the area.

In contouring the work was done on the nine lens photographs. Since the horizontal position of the planetable could nearly always be ascertained by inspection of the photographic image, very few planetable traverses were run. In determining the plotted position of elevation points secured by planetable, those that could not be plotted by photographic image were obtained by orienting the planetable by image or the declinoire, obtaining direction to the point by alidade, determining a scale factor and applying it to the distance to the desired point.

The contour appearing on this sheet is the 20 foot elevation above mean sea level. Elevations obtained with the planetable and telescopic alidade for the interpolation of the contour were obtained by the following methods: Direct leveling including those in which the upper or lower hair was read and the use of vertical angles.

The party was composed of four members; a topographer, a planetable man and two rodmen.

FIELD INSPECTION OF AIR PHOTOGRAPHS

The field inspection was done in two steps: Control ties, as mentioned in the first paragraph under survey methods, constituted the first step. Little or no other field inspection was accomplished at this time as it was necessary to furnish the Tampa compiling office with the control data as quickly as possible so that scale and radial plots could be laid. The first field inspection was done by T. A. Zary, Senior Photogrammetric Aid, H. M. Eldridge, Photogrammetric Aid, J. C. Lajoie, Senior Photogrammetric Aid, and G. H. Wood, Senior Engineering Aid. This work was done during April and May 1942. Single lens photograph numbers 11446, 11447, 11448, 10107, 10111, 10115 were used.

The second portion of the field inspection was accomplished by L. G. Chambers, Senior Engineering Aid. This party contoured the area, classified woods, roads, buildings, and cleared up indefinite detail. The photographs used were nine lens numbers 8655, 8792, 8791, and 8653.

The final field inspection was done by G. L. Anderson, Principal Photogrammetric Aid.

LEVELING

Wye levels were observed along most of the principal roads. Permanent bench marks had been established along some of them. These elevations checkerboarded the area to such an extent that no point in the area was more than a mile distant from a wye level elevation. The closures of these lines of wye levels were less than 0.3 foot and no adjustments were made. The leveling in the area was accomplished by Gordon Bowker, Photogrammetric Aid. Photographs numbers, single lens, 11447 and nine lens 8665 were used.

The level party was composed of four men; observer, notakeeper, and two rodmen. A wye level with 12 foot rods graduated in feet and tenths was used. Elevations were read to the nearest tenth at road intersections and estimated to the nearest hundredth at turning points.

CONTOURING

The area was contoured by L. G. Chambers, as stated previously, in this report. Planetable control and methods were discussed under "Survey Methods."

This area was field edited by G. L. Anderson, Principal Photogrammetric Aid. All symbols used were in accordance with U. S. G. S. Bulletin Number 788 and from instructions issued by the Chief of Party, dated August 12, 1942. The position of additive detail was determined in general by pacing from well-defined given detail.

The transfers of wye level and planetable elevations were checked in the office before beginning field work.

A. Boundaries

Boundaries of the 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. When it was impossible to do this, they were located by scaling (making the necessary adjustments) from the photograph. All ordinary houses were shown as standard size. Larger buildings were paced and scaled to size. Public buildings were designated and all large buildings of a permanent nature in the rural areas were classified. All buildings missing were located and classified if other than dwellings. This is in accordance with instructions received.

C. Bridges

Bridges were classified as to fitness by C. C. Fryer, Senior Photogrammetric Aid, in accordance with special instructions.

D. Roads

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

E. Woods

The wooded areas were classified as to types of trees, density and concealment.

F. Drainage

The drainage as shown by the compiler was unchanged with the exception of many small ditches which were deleted.

G. Marsh Areas

The marsh areas as shown by the compiler were unchanged.

H. Shoreline

The shoreline of the Wicomico River was ~~determined by~~ *checked by plane table from* docks and wharves ~~inspected~~, and found to be essentially as compiled. A few small additions were made *as indicated on the map manuscript.*

I. Aids to Navigation

Five channel markers and one row of fishing stakes were added to the map manuscript. The existence of rows of ruined piling and several wrecks as shown on U. S. C. and G. S. chart number 567, were determined to be in place but are not shown on the map manuscript.

These positions were obtained from surveys T-4704, 4705, 4706, (1932). Use these surveys when positions of wrecks, etc. are desired. RMB

J. Landmarks for Charts

Landmarks for charts have been submitted on form 567, a copy of which is attached to this report.

(See review at back 12/19/42 B98)

HORIZONTAL ACCURACY TESTS

Test Point No. 1 of the WIDGEON-ORIOLE traverse falls within the boundaries of this quadrangle. The point was a house, which had not been compiled. The computed position of this point was used to add the house to the map manuscript. There are no other test points on this quadrangle.

See quadrangle T-8133 for horizontal accuracy test.

There are no vertical accuracy tests.

Submitted by

G. L. Anderson by
Emil H. Kirsch
G. L. Anderson,
Principal Photogrammetric Aid.

Approved

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-9121

chart letter 573-1942

TO BE CHARTED
~~FOR THE CHARTERED~~ } STRIKE OUT ONE

LANDMARKS FOR CHARTS

Salisbury, Maryland

October 16, 1934

I recommend that the following objects which have ~~(examined)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(examined)~~ the charts indicated.

The positions given have been checked after listing.

W. L. Gallen

Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

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.

SHEET No. T— 8121

SUPPLEMENTARY SURVEYS

	Name	Date	Hours
Control surveys.....	C.L.B., J.E.H.	June	4
Planetable Surveys.....	& A.L.K., L.C.B.		
Total			4

SUPPLEMENTARY SURVEYS

Preparation of Photographs.....	A.L.K., C.L.B.	June	1½
Field Work.....			
Inking Notes.....			
Coast Pilot Notes.....			
Geographic Name Reports.....			
Land Marks for Charts.....			
Description Cards & Recovery Notes.....			
Total			1½

MAIN RADIAL PLOT

Scale Plot.....	LCB, CLB	June	1½
Projection on Base Sheet.....	JHSB & Wash. Office	July	1
Projection on Survey Sheet.....			
Control Plotted.....	LCB	June	1
Control Checked.....	ALK	June	1½
Control Trans. to Base Sheet.....	LCB	July	¼
Transfer Checked.....	ALK	"	½
Control Picked on Photograph.....	ALK, CLB, ELM,	June	73/4
Control Checked on Photograph.....	RDE, LCB, RD,	"	4
Hydro & Topo. Stations Picked.....	X	"	41
Radial Points Picked.....	LCB, RDE, ALK	June & Aug.	16
Adjacent Centers Picked.....	X	May & June	11 3/4
Templates.....	LCB,	June	10½
Radial Plot.....	X	July	11½
Radial Points Transferred.....	LCB	"	2 3/4
Transfer Checked.....	CHW	"	5¼
H & T Stations Scaled & Checked.....	ALK, LCB	Aug.	3½
Additional Radial Points.....	ALK	July	12½
Investigation of Radial Points.....	ALK	July	6¼
Total			138½

DETAILING

Rough Draft.....	ALK	July, Aug.	156¼
Smooth Draft.....			
Total			156¼

COMPILATION

Name overlay.....	ALK	Aug.	7
Descriptive Report.....	ALK, CAJP	"	6½
Field Review.....	JAG	Sept.	17
Total			30½
Total time spent on Sheet.....			330 3/4 hours

SHEET No. T— 8121

PHOTOGRAPHS

Number	Date	Time	Stage of Tide
8653	April 14, 1942	10:46	± 1.4 feet
8654	" 14, 1942	10:48	"
8655	" 14, 1942	10:50	"
8792	" 14, 1942	15:02	± 1.9 feet

Tide from predicted tables for: Great Shoals Light, Chesapeake Bay, Md.

CAMERA: U. S. Coast and Geodetic Survey Nine Lens (focal length 8¼ inches)

SCALE

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

STATISTICS

Area (land)..... 55.0 Square statute miles
 Shoreline (more than 200 m. from opposite shore)..... 25.6 Statute miles
 Shoreline (creeks)..... 76.9 Statute miles
 Roads, streets, trails, and railroads..... 80.3 Statute miles

REFERENCE STATION

Station: Clara, 1932
 Datum: N.A. 1927

Latitude: 38° 16' 31.367" (967.1m)
 Longitude: 75° 48' 57.735" (1403.4)

LIST OF GEOGRAPHIC NAMES FOR T-8121

✓ Broad Creek

✓ Capitola (~~Old Town R~~)

✓ Clara

✓ Dennis Creek

✓ Long Point

✓ Peters Creek

✓ Royal Oak

✓ Tyaskin

✓ Wetipquin (~~The Town~~)

✓ Wetipquin Creek

✓ Whitehaven

✓ Wicomico Creek

~~Widgeon~~

— to be deleted according
to Names Report (S.R. 12)

LIST OF GEOGRAPHIC NAMES NOT ON T-8121
COMPILATION

✓ *Al White Marsh*

- Boze's Creek
- ✓ Cattail Creek
- ✓ Chapter Creek
- ✓ Chapter Point R (~~Chapters Point, Deep Point~~)
- ✓ Chapter Point Marsh
- ✓ Cherrybridge Creek R (~~Chairbridge Creek~~)
- ✓ Cherrywalk
- ✓ Collier's Creek
- ✓ Collins Wharf
- ✓ Deep Branch (~~The Creek~~)
- ✓ Deep Branch (~~The Village~~)
- ✓ Deep Point
- ✓ Denson's Dock Creek
- ✓ Dorman's Ditch
- ✓ Dunker Hill
- ✓ Ellis Bay
- ✓ Ferry Point
- ✓ Flatty Creek
- ✓ Green Hill
- ✓ Green Hill Creek
- ✓ Gum Mill Creek
- ✓ Gum Swamp (~~The Village~~)
- ✓ Hay Point
- ✓ Hay Point Canal
- ✓ Head of the Creek
- ✓ Horner's Gut ✓ *Jerry's Drain*
- ✓ Kenny's Marsh
- ✓ Line Creek
- ✓ Lower Pound Creek
- ✓ Martin's Corner
- ✓ Mt. Vernon Wharf
- ✓ Muddy Hole Creek ✓ *Muddy Hole Marsh*
- ✓ New Road Landing ✓ *Nantuxo River*
- ✓ New Town
- ✓ Nigger Island
- ✓ Nigger Island Gut
- ✓ Nutters Neck
- ✓ Poplar Hill Swamp
- ✓ Pound Marsh
- ✓ Pucum's Dock Creek ✓ *Quantic Creek*
- ✓ Runaway Point ✓ *Sandy Hill Bench*
- ✓ Shiles Creek
- ✓ ~~Stone~~
- ✓ Stone Creek
- ✓ The Canal
- ✓ Trinity R (~~Muddy Hole~~) ✓ *Tyaskin Creek*
- ✓ Upper Pound Creek
- ✓ Waukiki Creek

This list of names was compiled from the Geographic Name Report, Project 278 C North.

The Geographic Name Sheet for the area of this quadrangle was forwarded to Washington on September 30, so the Salisbury office was unable to transfer these names to the map manuscript.

- ✓ Wetipquin Ferry (Not Tyashin)
- ✓ Wetipquin Neck
- ✓ Widgeon Wharf
- ✓ Willing's Gut
- ✓ Wicomico River

T-8121

No. 1

Remarks.

Decisions

1		382757
2		"
3	To be deleted according to Names Report	"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		382758
14	Referred to USGB: apply this name pending its decision Decision 12/8/42	" V.S.G.B.
15		"
16	Conflict with Old Town referred to USGB: Apply Capitola pending its decision Decision 12/8/42	" V.S.G.B.
17		"
18		" USGB
19		"
20	(off south limits of this sheet)	"
21		"
22	From USE blueprints of new development (not on this quad.)	"
23	" " "	"
24	Mouth only of Johnson Creek shown on south edge of quad.	"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8121

WETIPQUIN 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	
✓ <u>Wicomico Creek</u> ✓									1
✓ <u>Whitehaven</u> ✓									2
Widgeon									3
✓ <u>Collins Wharf</u> ✓									4
✓ <u>Stone Creek</u> ✓									5
✓ <u>Dunker Hill</u> ✓									6
✓ <u>Widgeon Wharf</u> ✓									7
✓ <u>Waukiki Creek</u> ✓									8
✓ <u>Ferry Point</u> ✓									9
✓ <u>Cherrybridge Creek</u> ✓									10
✓ <u>Martins Corner</u> ✓									11
✓ <u>Line Creek</u> ✓									12
✓ <u>Wicomico River</u> ✓									13
✓ <u>Shiles Creek</u> ✓									14
✓ <u>Clara</u> ✓									15
✓ <u>Capitola</u> ✓									16
✓ <u>Muddy Hole Creek</u> ✓									17
✓ <u>Broad Creek</u> ✓									18
✓ <u>Ellis Bay</u> ✓									19
Mt. Vernon Beach									20
✓ <u>Mt. Vernon Wharf</u> ✓									21
<u>Webster Cove</u>									22
✓ <u>Johnson Creek</u> <i>See T-8</i>									23
✓ <u>Deep Point</u> ✓									24
✓ <u>New Road Landing</u> ✓									25
✓ <u>Muddy Hole Marsh</u> ✓									26
✓ <u>Al White Marsh</u> ✓									27

Remarks.

Decisions

1		382758
2		"
3		"
4	Not clearly shown on compilation: name OK	"
5	Apply this name pending decision of USGB " 12/8/42	" U.S.G.B.
6		383758
7		" USGB
8		" "
9		"
10		"
11		"
12		"
13		"
14	Apply this name pending decision of USGB Off limits (north) of " 12/8/42	" U.S.G.B.
15	this quad.	"
16		"
17		"
18		"
19	Omit name: off limits (north) of this quad.	"
20	" " " "	"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8121

No. 2

Name on Survey

	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D, From local information	E, On local Maps	F, P. O. Guide or Map	G, Rand McNally Atlas	H, U. S. Light List	K	
✓ <u>Nigger Island</u> ✓										1
✓ <u>Nigger Island Gut</u> ✓										2
✓ <u>Denson Dock Creek</u> ✓										3
✓ <u>Puckum Dock Creek</u> ^{altered}										4
✓ <u>Trinity</u> ✓										5
✓ <u>Quantico Creek</u> ✓										6
✓ <u>Wetipquin</u> ✓										7
✓ <u>Wetipquin Creek</u> ✓										8
✓ <u>Tyaskin</u> ✓										9
✓ <u>Sandy Hill Beach</u> ✓										10
✓ <u>Peters Creek</u> ✓										11
✓ <u>Long Point</u> ✓										12
✓ <u>Nutters Neck</u> ✓										13
Chapter Point										14
✓ <u>Gum Swamp</u> ✓ (settlement)										15
✓ <u>Hay Point</u> ✓										16
✓ <u>Hay Point Canal</u> ✓										17
✓ <u>Jerrys Drain</u> ✓										18
Chapter Creek										19
Chapter Point Marsh										20
✓ <u>Dorman Ditch</u> ✓										21
✓ <u>Upper Pound Creek</u> ✓										22
✓ <u>Lower Pound Creek</u> ✓										23
✓ <u>Pound Marsh</u> ✓										24
✓ <u>Flatty Creek</u> ✓										25
✓ <u>The Canal</u> ✓										26
✓ <u>Runaway Point</u> ✓										27

Remarks

Decisions

1		383758
2		"
3		"
4	Apparently not shown on compilation: name OK if feature exists (small north trib. Wetip-	"
5	quin Cr. near Wetipquin Ferry)	"
6		"
7		"
8		"
9		"
10		"
11		383757
12		"
13		"
14		"
15		"
16	Apply pending USGB decision. no decision, name- OK	"
17		"
18		"
19		"
20		382759
21		
22		
23		
24		Dorchester County Map
25		Somerset County Map
26		Wicomico County Map
27		"

GEOGRAPHIC NAMES

Survey No. T-8121

No. 3

Name on Survey

	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D, From local information	E, On local Maps	F, P. O. Guide or Map	G, Rand McNally Atlas	H, U. S. Light List	K	
✓ Collier Creek ✓										1
✓ Wetipquin Neck ✓										2
✓ Wetipquin Ferry ✓										3
✓ Cattail Creek ^{deleted}										4
✓ Tyaskin Creek ✓										5
✓ Horner Gut ✓										6
✓ Willings Gut ✓										7
✓ Deep Branch (stream) ✓										8
✓ Deep Branch (settlement) ✓										9
✓ New Town ✓										10
✓ Royal Oak ✓										11
✓ Dennis Creek ✓										12
✓ Kenny Marsh ✓										13
✓ Green Hill ✓ (settlement)										14
✓ Green Hill Creek ✓										15
✓ Head of the Creek ✓ (settlement)										16
✓ Poplar Hill Swamp ✓										17
✓ Gum Mill Creek ✓										18
✓ Cherrywalk ✓ (settlement)										19
✓ Nanticoke River ✓										20
✓ Wicomico County ✓										21
✓ Somerset County ✓										22
✓ Dorchester County ✓										23
✓ Elliott No. 18 ✓										24
✓ Mount Vernon No. 5 ✓										25
✓ Nanticoke No. 12 ✓										26
✓ Tyaskin No. 3 ✓										27

Remarks

Decisions

1		Wicomico County Map
2		"
3		Road Maps
4		"
5		"
6		383758
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GEOGRAPHIC NAMES

Survey No. T-8121

No. 4

Name on Survey

	A. On Chart No.	B. On previous survey No.	C. On U. S. quadrangle Maps	D. From local information	E. On local Maps	F. P. O. Guide or Map	G. Rand McNally Atlas	H. U. S. Light List	K.
Quantico No. 2 ✓									1
Trappe No. 7 ✓									2
State Highway No. 352 (as shown) ✓									3
" " No. 349 ✓									4
" " No. 362 ✓ (from Whitehaven to southeastward)									5
Bozes Creek ✓									6
									7
									8
									9
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L. Heck 2/2/43

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.

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.

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.

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-C, 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.

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 templets) 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- 8121

WETIPQUIN 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-8133 for a copy of the closest horizontal accuracy test comparisons. This test showed the northeast section of T-8133 to be unsatisfactory. This was corrected by relaying the plot during review. The closest vertical accuracy test was performed on T-8122 on field photograph 8665. This test was transferred to the field edit sheet in brown ink and subsequent Previous Surveys work in orange ink. This test shows the

original field work to be adequate. 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.

T-4704	1:10,000	1932
T-4705	1:10,000	1932
T-4706	1: 5,000	1932

Some small differences occur. Where these differences are not due to natural or cultural changes since the date of the large scale surveys, T-8121 has been changed to conform to the surveys of the larger scale. Offshore details have not been incorporated on T-8121.

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

Comparison with Nautical Charts Nos. 567

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:

Only small cultural and shoreline differences exist. The chart should be correct to conform with T-8121, except for offshore details.

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

The detailing along the shoreline was not accurate and numerous minor changes were applied to the manuscript during review.

Reviewed 12/28/42 By Paul Moore Dwyer
under direction of D. H. Benson ²⁴¹³

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

Examined and approved:

Robert W. King
Chief, Surveys Branch

K.T. Adams
Chief, Topography Section

L.S. Borden
Chief, Div. of Charts

G.T. Rude
Chief, Div. of Coastal
Surveys