

8113

Original

8113

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic Topographic

Field No. 31 Office No. T-8113

LOCALITY

State Maryland

General locality Chesapeake Bay (Western Shore)

Locality Popes Creek (Wharton)

1943

CHIEF OF PARTY

F. L. Gallen  
Fred. L. Peacock

LIBRARY & ARCHIVES

DATE February 6, 1945

## DATA RECORD

T-8113

Quadrangle (II):

Popes Creek (7 $\frac{1}{2}$ " Quadrangle)~~Wicomico (15" Quadrangle)~~

Field Office:

War Mapping Field Party No. 1

Compilation Office:

Baltimore Field Office

Comdr. Fred. L. Peacock

Instructions dated (II III):

March 4, 27; June 5, 24;)  
Aug. 13, 27; Sept. 3, 4;) 1942Copy filed in Descriptive  
Report No. T- (VI)

Completed survey received in office: 11/26/42

Reported to Nautical Chart Section: 12/42

Reviewed: 5/25/43

Applied to chart No.

Date:

Redrafting Completed: 8/26/43

Registered: 2/5/45

Published: 2/15/44

Compilation Scale: 1:20,000

Published Scale: 1:31,680

Scale Factor (III): none

Geographic Datum (III): N.A. 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): Plowden (Md.) 1942

Lat.: 38° 26' 21.17" 653.0m  
(1197.0)Long.: 76° 55' 09.560" 231.9m  
(1223.3) ~~Adjusted~~

State Plane Coordinates (VI):

*Maryland*~~X =~~~~Y =~~

Military Grid Zone (VI) "A"

Overlapping Zone 'B'

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
Nine Lens				
8857 to 8860	4/15/42	12:27 - 12:30p.m.	1:20,000	0.59' above M. L. W.
8861 to 8863	4/15/42	12:33 - 12:35p.m.	1:20,000	1.45' above M. L. W.
Single Lens				
AHU 2-162 to AHU 2-172	6/22/37	unknown	1:20,000	Unknown
AHU 3-200 to AHU 3-208	6/23/37	unknown	1:20,000	Unknown
AHU 22-26 to AHU 22-35	6/28/37	unknown	1:20,000	Unknown
AHU 22-58 to AHU 22-69	6/28/37	unknown	1:20,000	Unknown

Reference Station:

Tide from (III): Washington, D. C. with time corrections for Mathias Point, Va and Bushwood, Md.

Mean Range: Mathias Point 1.2' Spring Range: Mathias Point 1.4'  
Bushwood 1.9' Bushwood 2.2'

Camera: (Kind or source) U. S. Coast & Geodetic Nine lens Camera (focal length 8 $\frac{1}{4}$ " )

Field Inspection by: Party Under Lt. Comdr. Patterson date: Summer, 1942  
Horizontal Control: R. D. Trace May - June, 1942  
Shoreline: R. D. Trace July, 1942

~~Field Edit by:~~ Cultural Features: W.A. Rasure, G. Bowker, date: Nov., 1942 to  
C.A. Moritz, H.R. Cravat, S.C. Dionisio Feb., 1943  
*Field Edit by* *Louis Levin* Apr. 1943

Date of Mean High-Water Line Location (III):

Date as given on above mentioned photographs

Projection and Grids ruled by (III) Washington Office date: Sept., 1942

" " " checked by: Washington Office date: Sept., 1942

Control plotted by: Charles C. Tropp date: Sept. 8, 1942

Control checked by: James A. Merriam date: Sept. 9, 1942

Radial Plot by: J. Edward Deal, Jr. date: Sept., 1942

Detailed by: E. H. Snyder and A. C. Rauck, Jr. date: 10/16-11/18/42  
Harold R. Brooks 2/17-3/1/43

Contours by: Harold R. Brooks 3/4 - 3/10/43  
Reviewed in compilation office by: date:

Before Field Inspection & Contouring: Wm. H. Van Loon Nov., 1942

After Field Inspection & Contouring: Henry P. Eichert 3/3-3/11/43

Elevations on Field Edit Sheet  
checked by: L.G. Chambers date: 3/23/43

STATISTICS (III)

Land Area (Sq. Statute Miles): 56.8 square Statute Miles

Shoreline (More than 200 meters to opposite shore): 11 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 9 Statute Miles

Number of Recoverable Topographic Stations established:

7 Stations Fall on Quad.

11 Stations fall west of Quad.

Number of Temporary Hydrographic Stations located by radial plot:

none

Statute

Leveling (to control contours)/- miles: 35.7

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: Contours by: W. A. Rasure -- S. E. Corner  
G. Bowker -- N. E. Corner  
H. R. Cravat & S. C. Dionisio  
N. Central & N.W. Port  
C. A. Moritz -- S. Central & S.W. Port

FIELD INSPECTION REPORT  
QUADRANGLE T-8113  
PROJECT 278-A  
F. L. GAILLEN, CHIEF OF PARTY.

1. Zekiah Swamp flows south through the middle of the quadrangle and Gilbert Swamp flows southwest across the southeast part of the quadrangle, and both empty into the Wicomico River near the south boundary of the quadrangle. The Potomac River touches the southwest edge of the quadrangle. Along the Potomac River there is a steep bluff with a maximum elevation of about 120 feet, but adjacent to the other streams the land is low and slopes gently upward for about one contour interval and then rises quickly to a flat to rolling upland with a maximum elevation of about 190 feet. This upland is deeply eroded by numerous small streams which tend to have deep steep-sided valleys. West of Highway U. S. 301 these small streams drain west to the Potomac River while east of the highway the streams drain to Zekiah and Gilbert Swamps. Some of these small streams may be classed as perennial streams but others are intermittent due to their short length.

Around the head of the Wicomico River there is a considerable area of marsh. The entire length of Zekiah Swamp fulfills the name, but part of Gilbert Swamp has been ditched and is now farmed. There is a small area of swamp along Clark Run.

Large areas of the flat land adjacent to the Wicomico River and the two swamps have been cleared for farming. At the higher elevations the clearings are restricted to the tops of the ridges between the valleys. The remainder of the area is thinly to heavily wooded with pine and deciduous trees and brush, with pine trees predominating on the ridges and deciduous trees in the valleys.

2. The field inspection for the Quadrangle has been completed. Very little field inspection was done on the Map Manuscript due to the greater ease with which inspection could be done on the photographs and all areas should be compared with the field inspected photographs.

This quadrangle was field inspected during December and January and at this season of the year Zekiah Swamp is wider than during the dry weather in the summer months. At many places there is no sharp line of demarcation between the dry timbered areas and the swamp and the line is a matter of individual judgment.

3. The photographs are typical for areas of this type.
4. Same as for T-8148.
5. Vertical Control - same as for T-8148.

6. Contours and drainage - same as for T-8148.

Part of this area was contoured on the Map Manuscript by C. A. Moritz and the following is by him:

West of Zekiah Swamp the stream locations checked very well but east of the Swamp some of the streams had to be shifted. The new locations were obtained by ~~the~~ transferring ~~of~~ a stereoscopic stream position from a nine-lens photograph with tracing paper and checking in the field by planetable traverse. One road could not be checked by a horizontal traverse and the manuscript position should be checked. See the Map Manuscript for locations.

In the open uniformly sloping areas the Map Manuscript was used quite successfully, but in the wooded, more steeply dissected areas it was very difficult to use and much slower than using photographs. The detail necessary to facilitate sketching was lacking and many more shots were required to establish control. In general, the photographs are more satisfactory to use.

Photograph 8863 has an appreciable angle of tilt and a large and varying scale factor. This photograph was not used any more than necessary for contouring and the contours were fitted to the culture as much as possible.

No large vertical traverse closures are involved in this quadrangle.

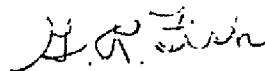
- 7-16. Same as for T-8148.

17. Boundary Monuments and Lines:

The Political District boundary will be added to the Map Manuscript when the final field edit is made.

18. Same as for T-8114.

Submitted by,



G. R. Fish,

Lieutenant, U. S. C. and G. S.

Approved and forwarded:



F. L. Gallen,  
Chief of Party.

## 26 Control:

The projection for this map manuscript was extended beyond the 7 $\frac{1}{2}$  minute Quadrangle area to include 3 minutes more of latitude on the North and 4 minutes more of longitude on the West.

3 U. S. Coast & Geodetic Survey Triangulations Stations within the limits of this map manuscript and seven stations which fall in the projection area as extended, were used as control. Those within the limits are:

Bel Alton, 1942  
Hickey, Md. 1934  
Plowden, 1942

The following triangulation stations, used for the control of secondary points and detail on this map manuscript, fall in the projection area as extended:

Airway Beacon No. 11, Wash., Norf., 1942  
Club Eccentric, 1934  
LaPlata Municipal Tank, 1942  
Mathias Point Shoal Lighthouse, 1928  
Port, 1942  
Wheatley, 1942  
Windmill, 2, 1901

## 27 Radial Plot:

The radial plot for this map manuscript is described in Section 2 of the descriptive report for the radial plot of Sub-projects CS-278-A and CS-278-D, which has been previously submitted.

## 28 Detailing:

Nine lens photographs were used for detailing most of the area of this map manuscript. Photograph 8863 was excessively tilted; (5° 53') and was not used to any appreciable extent for detailing. The single lens photographs obtained from the U. S. Soil Conservation Service were found to be very useful for supplementary reference, especially in locating and identifying buildings which did not show distinctly on the nine lens photographs. They were also used for the detailing of areas where relief caused distortion of the detail on the nine lens photographs.

Field inspection was complete as to elevations, contours, roads, and buildings. Cultural detail and shoreline were in some instances incomplete; but in general were well covered by the field inspection. Drainage throughout the uplands was well field inspected but drainage in the marsh and swamp areas was not satisfactorily field inspected. The drainage throughout these swamp areas was interpreted entirely through the use of the stereoscope.

## 29 Supplemental Data:

Previous surveys T-859, T-861, T-1105, T-2635 cover portions of the area of this survey. However, copies of these surveys are not available for comparison with survey No. T-8113.

30 Mean High Water Line:

The portions of the mean high water line not fully covered by field inspection were interpreted by office examination of the nine lens photographs with the aid of the stereoscope.

The stage of tide was computed from tide prediction tables to assist in the interpretation of the mean high water line.

31 Low Water and Shoal Lines:

There are no low water or shoal lines indicated by field inspection within the limits of this survey and none are discernible on the nine lens office photographs.

32 Details Offshore from the High Water Line:

No offshore details were delineated as none were indicated by field inspection and none are discernible on the nine lens office photographs.

33 Wharves and Shoreline Structures:

All wharves, docks, and piers were completely field inspected and have been detailed accordingly.

34 Landmarks and Aids to Navigation:

There is no data available to the compilation office covering landmarks or aids to navigation for charting in the area of this survey.

35 Hydrographic Control:

There are seven recoverable topographic stations which fall within the detailed limits and eleven recoverable topographic stations which fall just west of the detailed limits of T-8113, those within the detailed limits are:

All,	1942	For,	1942	Pond,	1942
Take,	1942	Cab,	1942		
Pie,	1942	Ton,	1942		

Those just West of the detailed limits are:

Pan,	1942	Crab,	1942	Mae,	1942	Fourth,	1942
And,	1942	Fun,	1942	Pin,	1942	Say,	1942
Ask,	1942	Ire,	1942	Rain,	1942		

Forms No. 524 have been previously submitted for these stations.

37 Azimuth Reference Monuments:

There are three Azimuth Reference Monuments which fall within the detailed limits and one just north of the detailed limits of this map manuscript, for which Forms No. 524 have been previously submitted.



38 Junctions:

Complete junctions have been made with map drawings No. T-8112 to the east and No. T-8114 to the South. There are no contemporary surveys to the North and West of No. T-8113.

39 Discrepancy Overlay:

A discrepancy overlay has been prepared to accompany the map manuscript. On it are noted requests for additional information needed to make this map manuscript complete. Comments, questions, notes, and suggestions such as are deemed likely to be of assistance in the course of the field edit have also been included. The names or numbers of bench marks have been shown for use by the Baltimore Compilation Office.

40 Recommendation for future survey:

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

41 Horizontal Accuracy:

Horizontal accuracy of the location of well-defined and less well-defined points of detail is believed to be within the limits set forth in the instructions for Project CS-278, Paragraph 54, dated March 4, 1942.

42 Remarks:

An adequate description of the area encompassed by this survey will be found in Paragraph 1 of the Field Inspection Report.

43 Geographic Names:

A list of undisputed, disputed and recommended Geographic names is attached to this descriptive report.

44 Comparison with Existing Topographic Quadrangles:

Comparison was made with the Wicomico Quadrangle, U. S. Geological Survey, edition of January, 1914. As the scale of the quadrangle is 1:62500, a satisfactory comparison could not be made.

It was noted, that Zekiah Swamp appears larger on the quadrangle than on this map drawing. Extensive drainage in this swamp area is evidently for the purpose of reclaiming part of this area and probably accounts for the above mentioned change.

45 Comparison with Nautical Charts:

Comparison was made with Chart 558, dated June, 1938 and July 29, 1942, scale 1:40,000; which corresponds with this map drawing and was found to compare closely, concerning topographic details and shoreline structures.

Respectfully submitted,  
March 10, 1943

Albert C. Rauck, Jr.  
Edward H. Snyder  
Albert C. Rauck, Jr.  
Edward H. Snyder  
Photogrammetric Aids

and

Harold R. Brooks  
Harold R. Brooks  
Senior Engineering Aid

Map Manuscript, Discrepancy  
Overlay & Descriptive Re-  
port Review by:

William H. Van Loon  
William H. VanLoon  
Pr. Photogrammetric Aid

and

Henry P. Eichert  
Henry P. Eichert  
Junior Photogrammetric Engineer

Compilation of Map Manuscript  
Supervised by:

J. Edward Deal, Jr.  
J. Edward Deal, Jr.  
Asst. Photogrammetric Engineer

and

Joseph Steinberg  
Joseph Steinberg  
Asst. Photogrammetric Engineer

Approved & Forwarded:

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

FIELD EDIT REPORT

T - 8113

46. The field edit was done by visual inspection on the Map Manuscript and transferred in ink to a smooth copy.

The inking was done in accordance with the following scheme:

<u>Features</u>	<u>Color</u>
Additions, bench marks, wye level elevations and crosses	Black
Deletions	Green
Contours	Brown
Drainage features	Blue
Political boundaries	Violet

47. The position and amount of detail is believed to be complete and accurate.

48. A horizontal accuracy test was run in quadrangles T-8112 and T-8139.

The vertical accuracy test is the subject of a report submitted by Lieutenant G. R. Fish for Project CS-278-A.

Approved and forwarded:

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

Submitted by,

*Louis Levin*  
Louis Levin,  
Photogrammetric Aid.

# LIST OF GEOGRAPHIC NAMES

## Undisputed

- |                                  |                              |
|----------------------------------|------------------------------|
| ✓Allens Fresh Bridge             | ✓Lancaster Run               |
| ✓Allens Fresh Marsh              | ✓Maddox Branch               |
| ✓Bowling Creek                   | ✓McReynold's Point           |
| ✓Bowling Gut                     | ✓Mud Cove                    |
| ✓Bowling's Alley                 | ✓Mud Creek                   |
| ✓Bowman Creek                    | ✓Murphy Run                  |
| ✓Budds Landing                   | ✓Newburg                     |
| ✓Bunker Hill                     | ✓Newport                     |
| ✓Burroughs Run                   | ✓Newport Branch              |
| ✓Carpenter Point                 | ✓Newport Marsh               |
| ✓Charles County Fair Grounds (?) | ✓Newport Marsh Run           |
| ✓Colby Run                       | ✓Newton w                    |
| ✓Cooksey Island                  | ✓Oak Gut                     |
| ✓Cooksey Point                   | ✓Oden Run                    |
| ✓Cooksey Run                     | ✓Old Mill Branch             |
| ✓Cramer Gut                      | ✓Peach Run                   |
| ✓Dentsville                      | ✓Phila., Balto., & Wash.R.R. |
| ✓Dentsville Bridge               | ✓Popes Creek (Stv & Will.)   |
| ✓Drinks Run                      | ✓Popes Creek Bridge          |
| ✓Ellenboro Hill                  | ✓Raven's Crest               |
| ✓Ellenboro Hill Run              | ✓Raven's Crest Creek         |
| ✓Erwins Pond                     | ✓Rice Creek                  |
| ✓Foggy Bottom                    | ✓Rogers Mill                 |
| ✓Foggy Bottom Gut                | ✓Rogers Mill Branch          |
| ✓Ford Run                        | ✓Ross Branch                 |
| ✓Forrest Cove                    | ✓St. Clair Gut               |
| ✓Gilbert Swamp                   | ✓St. Stephen Run             |
| ✓Glasva Branch                   | ✓Scar Branch                 |
| ✓Hells Bottom Run                | ✓Spring Hill Branch          |
| ✓Herbert Run                     | ✓Stoner Branch               |
| ✓Hickory Gut                     | ✓Stones Bridge               |
| ✓Hodister Run                    | ✓Tears Gut                   |
| ✓Huckleberry                     | ✓Westwood Point              |
| ✓Huckleberry Branch              | ✓Wicomico                    |
| ✓Ivory Run                       | ✓Willmer Creek               |
| ✓James Run                       | ✓Woodland Point              |
|                                  | ✓Zekiah Swamp                |

LIST OF GEOGRAPHIC NAMES

<u>Recommended</u>	<u>Disputed</u>
✓Allens Fresh	Allen Fresh
✓Allens Fresh Run	Wicomico Run
✓Bel Alton	Cox Station
✓Bunker Hill Branch	Matthews Branch
✓Faulkner	Lothair Station
✓Newport Run	Gilbert Swamp Run
✓Posey Creek	Willmer Creek Cramer Creek
✓Steinhauser Gut	Newburg Branch
✓Zekiah Swamp Run	Wicomico Run

No. T-8113

No. 1  
Decisions

Remarks

1		382768	USGB
2		383768	
3		"	
4		"	
5		"	
6		"	
7		"	
8		"	
9		383769	
10		"	
11		"	
12		"	
13		"	
14		"	
15		"	
16		"	
17		"	
18		"	
19		"	
20		"	
21		"	
22		"	
23		"	
24		"	
25		"	
26		"	
27		"	

# GEOGRAPHIC NAMES

Survey No. T-8113

POPES CREEK quadrangle

No. 1 Name on Survey

	A	B	C	D	E	F	G	H	K	
Wicomico River ✓✓										1
Budds Landing ✓										2
Bowling Gut ✓✓										3
Burroughs Run ✓✓										4
Forest Cove ✓✓										5
Mud Cove ✓✓										6
Hodister Run ✓✓										7
McReynolds Point ✓✓										8
Carpenter Point ✓✓										9
X Cooksey Island ✓										10
Cooksey Point ✓✓										11
Colby Run ✓✓										12
Foggy Bottoms ✓✓ (flats)										13
Foggy Bottom Gut ✓✓										14
Steinhauser Gut ✓✓										15
Posey Creek ✓✓										16
Bunker Hill Branch ✓✓										17
Allens Fresh Run ✓✓										18
Newport Marsh ✓✓										19
Newport Marsh Run ✓✓										20
Newport Run ✓✓										21
Newburg ✓✓										22
Cliffton Creek ✓✓ (only part on this quadrangle)										23
Ravens Crest ✓✓										24
Ravens Crest Creek ✓✓										25
Popes Creek ✓ (stream)										26
Popes Creek Bridge ✓										27

T-8113

No. 2

Remarks

Decisions

1		384769
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10	(Lothair R.R. Station)	" USGB
11	(Cox R.R. Station)	" "
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"



# GEOGRAPHIC NAMES

Survey No. T-8113

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		
Popes Creek	✓	(village)								1
Bunker Hill	✓									2
Stones Bridge	✓									3
Glasva Branch	✓									4
Ellenboro Hill	✓									5
Ellenboro Hill Run	✓									6
Drinks Run	✓									7
Huckleberry	✓	(scattered small settlement)								8
Huckleberry Branch	✓									9
Faulkner	✓									10
BelAlton	✓									11
Charles County Fairgrounds	✓									12
Newtown	✓									13
Clark Run	✓									14
Spring Hill Branch	✓									15
Maddox Branch	✓									16
Ross Branch	✓									17
Scar Branch	✓									18
Bowling Creek	✓									19
Mud Creek	✓									20
Erwins Pond	✓									21
Willmer Creek	✓									22
Allens Fresh	✓	(village)								23
Allens Fresh Bridge	✓									24
Tears Gut	✓									25
Allens Fresh Marsh	✓									26
Cammer Gut	✓									27

T-8113

No. 3  
Decisions

Remarks

1		384769
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		384768
27		"

# GEOGRAPHIC NAMES

Survey No. T-8113

No. 3

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	
Woodland Point	✓									1
Westwood Point	✓									2
Old Mill Branch	✓									3
Herbert Run	✓									4
Rice Creek	✓									5
Bowman Creek	✓									6
James Run	✓									7
Cooksey Run	✓									8
Stoner Creek	✓									9
Dentsville Bridge	✓									10
Rogers Mill	✓									11
										(mill and settlement around it)
Rogers Mill Branch	✓									12
Zekiah Swamp	✓									13
Zekiah Swamp Run	✓									14
Bowlings Alley	✓									15
										(small crossroads settlements)
Newport	✓									16
Gilbert Swamp	✓									17
										(area)
Gilbert Swamp Run	✓									18
Lancaster Run	✓									19
Newport Branch	✓									20
Peach Run	✓									21
Murphy Run	✓									22
Oak Cut	✓									23
St. Clair Cut	✓									24
Hickory Cut	✓									25
Wicomico	✓									26
										(village partly on this quadrangle)
Oden Run	✓									27

T-8113

No. 4  
Decisions

Remarks

1		384768
2		"
3		"
4		"
5		"
6		382768 USGB
7		"
8		
9		Charles County Map
10		"
11		"
12		"
13		R.R. Guide
14		Road Maps
15		"
16		"
17		"
18		"
19		
20		
21		
22		
23		
24		
25		
26		
27		

# GEOGRAPHIC NAMES

Survey No. T-8113

No. 4

Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Ford Run</u> ✓										1
<u>Ivory Run</u> ✓										2
<u>St. Stephen Run</u> ✓										3
<u>Hells Bottom Run</u> ✓										4
<u>Dentsville</u> ✓										5
<u>Cobb Neck</u> ✓ (area between Potomac and Wocomico Rivers)										6
<u>Potomac River</u> ✓										7
<u>Charles County</u> ✓										8
<u>La Plata No. 1</u> ✓ (political subdivision)										9
<u>Bryantown No. 8</u> ✓		"								10
<u>Allens Fresh No. 4</u> ✓		"								11
<u>Harris Lot No. 5</u> ✓		"								12
<u>Pennsylvania R.R.</u> ✓ (Pope's Creek Branch) ✓										13
<u>U.S. Highway No. 301</u> ✓										14
<u>Md. Highway No. 6</u> ✓										15
" <u>No. 234</u> ✓										16
" <u>No. 428</u> ✓										17
" <u>No. 558</u> ✓										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Names underlined in red approved  
by L. Heck on 6/2/43

## 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.

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-A, 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-8113

POPES CREEK 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-8112 for an attached copy of the tabulated results of the closest horizontal accuracy test. There is no evidence of systematic error. The vertical accuracy is reported satisfactory by the field party in accordance with the test made on a field photograph.

Previous Surveys This test could not be identified during review.

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-861	1:20,000	1862	
T-2635	1:20,000	1902	
"Wicomico"	1:62,500	1890	U. S. G. S.

Comparison with Nautical Charts Nos. 558

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 differences in shoreline exist.

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 5/25/43 By Walter H. St. John  
under direction of D. H. Benson *DHB*

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

Examined and approved:

Robert W. King  
Chief, Surveys Branch

K.T. Adams  
Chief, Topography Section

J. B. Bond  
Chief, Div. of Charts

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