Original

8357

Plotted on Diag. Ch. No. 78-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

# DESCRIPTIVE REPORT

Type of Survey Air Photo Compilation

Field No. ..... Office No. T-8357

LOCALITY

State Virginia

General locality Potomac River

Locality Village

1944

CHIEF OF PARTY

Comdr. Ray L. Schoppe

LIBRARY & ARCHIVES

DATE Sept 16 - 1946

8357

B-1870-1 (1)++

Form T-1

DATA RECORD

T-8357

Quadrangle (II): Project No. (II): 289

Field Office: Tampa, Florida Chief of Party: Ray L. Schoppe

Compilation Office: Tampa, Florida Chief of Party: Ray L. Schoppe

Instructions dated (II III): 12/16/42; 5/13/43 Copy filed in Descriptive Report No. T- (VI)

Completed survey received in office: 5/6/44 (So. Part) 5/1/44 (No. Part)

Reported to Nautical Chart Section: 5/7/44 5/2/44

Reviewed: 6/2/44 Applied to chart No. Date:

Redrafting Completed: 8/10/44

Registered: Published: 1944

Compilation Scale: 1:20,000 Published Scale: 1:31,680

Scale Factor (III): 1.00

Geographic Datum (III): N. A. 1927 Datum Plane (III): M.S.L. 1929

Reference Station (III): MULCH, 1942

Lat.: 37°54'07.419" (1621.13 M) Long.: 76°32'39.214" (507.82 M) Adjusted ~~Unadjusted~~

State Plane Coordinates (VI):

X = 2,564,299.10 Y = 577,008.01 - Va. So. Zone

Military Grid Zone (VI) "A & B"

PHOTOGRAPHS (III)

| Number | Date | Time | Scale | Stage of Tide |
|---|---|---|---|---|
| 12874 | 12/31/42 | -- | 1:20,000 | Inshore Sheet |
| 12875 | " | -- | " | |
| 12876 | " | -- | " | |

Tide from (III): --

Mean Range: -- Spring Range: --

Camera: (kind or source) U. S. C. & G. S. 9 lens

Contouring and
Field Inspection by: Joseph K. Wilson, Sr.Photo.Aid date: Nov.'43-Mar.'44

Field Edit by: Earle R. Lowdon date:

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

Projection and Grids ruled by (III) Wash. Office date:

" " " checked by: " " date:

Control plotted by: C. A. J. Pauw date: Feb., 1944

Control checked by: J. H. S. Billmyer date: Feb., 1944

Radial Plot by: Tampa Office Personnel date: March, 1944

Detailed by: Rudolph Dossett, Prin. Photo. Aid date: April, 1944

Reviewed in compilation office by: M. M. Slavney date: April, 1944

Elevations on Field Edit Sheet checked by: date:

Elevations on field photographs checked by: R. C. Gifford, Jr. Topo. Engr., Dec. 1943

STATISTICS (III)

Land Area (Sq. Statute Miles): 55.3

Shoreline (More than 200 meters to opposite shore): 2.0 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 17.3 Statute Miles

Number of Recoverable Topographic Stations established: --

Number of Temporary Hydrographic Stations located by radial plot: 0.0

Leveling (to control contours) - miles: 75

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:

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S. 289-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, driveways, 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 "blueline" 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.

FIELD INSPECTION REPORT

Quadrangle 8357

1. Description of the Area:

The area is a seven and one-half ($7\frac{1}{2}$) minute quadrangle located in the Western portion of Northumberland County, Virginia, the Eastern portion of Richmond County, Virginia, and the Southeastern portion of Westmoreland County, Virginia.

It comprises the area between North latitude 37° 52' 30" and 38° 00' 00", and West longitudes 76° 30' 00" and 76° 37' 30".

The Southeastern portion drains into the Great Wicomico. The North and Northwestern and Eastern portion drains into the Potomac River. The West and Southwestern portion drains into the Rappahannock River.

The Northeastern section is a low flat area. The maximum relief is found near Rainswood, which is located near the Central portion of this quadrangle. The elevation there is 159 feet. The transition between the rugged and flat areas in this quadrangle is very sharp and taking place within a few hundred feet.

There are a few small villages in this quadrangle. The largest of these is Callao, which is located in the Northern portion of this quadrangle, having a population of less than 300.

This is principally an agricultural region. The chief crops are tomatoes, corn, and small grain.

This is a very wooded area except for the Northern portion.

The principal roads are very good and in general they follow the ridges.

The headwaters of Totuskey Creek are located in the Southwestern portion of this quadrangle. Mill Creek, Yeocomico River (Lodge Creek), Wrights Cove and Glebe Creek are located in the North and Northwestern portion of this quadrangle.

2. Completeness of Field Inspection:

The field inspection for the clarification and classification of details on the photographs has been completed. Field inspection was done on the following photographs: 12670, 12671, 12672, 12673, 12874, 12875, 12876, 12878, 12879 and 12880.

3. Interpretation of Photographs:

The dark or black areas on the photographs have been found to be pine trees. Usually these pine trees occupy the higher areas, but sometimes this is not true. The grey areas consist of decidious and pine trees, or decidious and

brush, some of this being cut over and burned area. In the Southeastern section of this quadrangle there was a forest fire in 1942 and a great amount of timber was burned.

Unimproved sand roads appear to be first class highways due to the sand showing so plainly.

4. Horizontal Control:

There were four Triangulation Stations in this quadrangle, all of which were recovered and picking cards and recovery cards were submitted.

There were three U. S. Geological Survey Primary Traverse Stations in this quadrangle, all of which were recovered and recovery notes and picking cards submitted.

5. Vertical Control:

All of the U. S. Coast and Geodetic Survey Second Order Bench Marks were recovered, and recovery cards submitted for each station.

There were several U. S. Geological Survey Bench Marks in this quadrangle. Only those needed and permanently marked were recovered.

Vertical Control has been established in Quadrangle #8357 by a system of level lines run over the area. Level lines were run with a builders level, and level rods with four ft. extensions were used. Approximately 74.7 sta. miles of levels were run.

Main level loops were run on the main roads and on the main interlocking roads. Supplementary level loops were run off of these on the remaining roads and on numerous wood trails. All level lines were run to the topographers best advantage. Level lines were closed within the prescribed standards of accuracy.

Control for the most part was obtained from 1942 U. S. C. & G. S. Bench Marks. An occasional U. S. G. S. Bench Mark was used. These along with the others had been recovered by C. O. Rector, Photogrammetric Aid.

Places easily recognizable on the photographs, such as road intersections, road cuts, fence lines, wood lines, etc., were chosen for points. Where stakes were used the short one represented the elevation, while the tall one served as a guard and a means of locating the point.

Lines were run by H. B. Wright, Photogrammetric Aid, and R. C. Gifford, Junior Topographic Engineer. Wright's lines were adjusted in proportion to the number of set-ups along the line when the closure exceeded 0.1 of a foot. Gifford's lines were adjusted in the same manner when the closure exceeded 0.3 of a foot.

Levels were run on Photographs 12672, 12874, 12876, 12879, 12878, and 12670 and are recorded in Level Volume No. 14.

6. Contours and Drainage:

The contouring was done by a four man planetable party and was done directly on nine-lens photographs at twenty foot intervals. This contouring was done only on central portions of the photographs.

Due to this area being heavily wooded and most of the relief being found in the wooded areas, traverses were made where possible by planetable along woods roads because these roads usually followed the ridges. When planetable traverses were made across the country, hand level traverses were used to indicate elevations out from the plane table. These hand levels were used to indicate elevations of streams which in most cases were so far from the planetable that several set-ups would have to have been made and very much brush cut.

To secure horizontal control with the hand level, a piece of acetate was used, features such as drainage, cleared areas, trails and changes of vegatation were traced on the acetate from the photograph

Rough sketching was done on the acetate. This work was done principally by the notekeeper and one rodman. During the latter stages of out work on this quadrangle, we received some single lens photographs, which we used on our hand level traverses instead of the acetate.

The drainage was put on the photographs by the Washington Office and later checked in the field. In most instances this drainage was correct. All errors in drainage that were found have been classified

Contouring was done on the following photographs: 12670, 12671, 12672, 12673, 12874, 12875, 12876, 12878, 12879, and 12880

7. Mean High Water Line:

The mean high water line was inspected and shown by conventional symbols on the nine lens photographs along the shores of Glebe Creek and Wright's Cove, which are the only Creeks in the quadrangle.

8. Mean Low Water Line:

The mean low water line was not shown in this area due to the fact that there is no appreciable difference between the high and low water lines.

9. Wharves and Shoreline Structures:

There were no wharves or shoreline structures in this quadrangle.

10. Details off Shore From High Water Line:

There were no details off shore from high water line.

11. Land Marks and Aids to Navigation:

There were no land marks and aids to navigation in this quadrangle.

12. Hydrographic Control:

Not applicable in this quadrangle.

13. Landing Fields and Aeronautical Aids:

There are no landing fields in this quadrangle.

14. Road Classification:

All roads in this quadrangle were classified in our field inspection.

15. Bridges:

Bridges will be classified at a later date and prior to the field edit of this sheet.

16. ~~Bridges~~ Buildings and Structures:

All buildings and structures were classified in our field inspection.

17. Boundary Monuments and Lines:

This is the subject of a special report which has been submitted by H. B. Wright, Photogrammetric Aid.

18. Geographic Names:

This will be the subject of a special report. L-H

19. Junctions:

All junctions were made with quadrangle 8356 and 8358 and with the quadrangle North of 8357 which was contoured by War Mapping Field Party No. 1, in 1942,.. No junction was made with quadrangle 8352 as no topography was done on this latter quadrangle.

20. Photographs on Which Work Was Accomplished:

Contouring, field inspection, recovery and fly levels were done on the following photographs: 12669 to 12673 inclusive, 12874 to 12876 inclusive, and 12878 to 12880 inclusive.

48. Accuracy Tests:

1.) Vertical: a vertical accuracy test was run on quadrangle T-8357 between approximate latitude 37° 58' and longitude 76° 30.5' on February 7, 1944, by Charles Hanavich, Assistant Photogrammetric Engineer.

The method used for this vertical accuracy test was a planetable traverse, which was run along the highway with side shots taken to detail within rodable distances; additional traverses were run along ridges and draws. Essential and controlling

elevations were determined and located to the nearest foot. The area of the test has been blocked off and labeled on contour photograph 12670 with the elevations ascertained in the field by vertical accuracy test party denoted in red ink. The accuracy of the contours was found to be within the requirements of the instructions.

2.) Horizontal: This will be the subject of a special report; also see descriptive reports for quadrangles T-8352 and T-8358.

Submitted by:

Joseph K. Wilson
Sr. Photo. Aid.

Approved by:

Ray L. Schoppe
Chief of Party

COMPILATION REPORT
To Accompany
SHEET NO. T-8357

## 26. CONTROL

Four U. S. C. & G. S. triangulation stations and three U. S. G. S. primary traverse stations fall within the tracing limits of this sheet. All of the triangulation stations were held to in the radial plot but the traverse stations were found to be of an accuracy too poor to be used for controlling any but much small scale maps than the present compilation. Therefore, these stations were not used.

## 27. MAIN RADIAL PLOT

The main radial plot, of which this sheet is a part, is discussed in the compilation report for Sheet T-8355.

## 28. DETAILING

The photographs were of good scale and sufficiently clear to insure correct interpretation of detail.

In the vicinity of Farnham, just east of the bridge where the highway from Scotts Corner crosses Bookers Mill Stream an intermittent pond is shown on the geographic name sheet. This pond is not indicated on the field print nor is it visible on the office print. The field print shows it as a stream and it has been so detailed by the draftsman.

The field inspection was adequate.

## 44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

A comparison was made with U. S. Geological Survey Quadrangle "Morattico, Va." (edition of 1926 on a scale of 1:62,500). The scale of this quadrangle was too small for a thorough comparison; however, no larger discrepancies were noted in comparable detail. Some third and fourth class roads are shown on the Geological Survey sheet that are not visible on the photographs.

45. COMPARISON WITH NAUTICAL CHARTS

No copy of U. S. C. & G. S. Chart No. 557 was available in the compilation office, therefore, no comparison could be made. This chart shows a very small amount of shoreline that is delineated on T-8357. 83

Respectfully submitted,

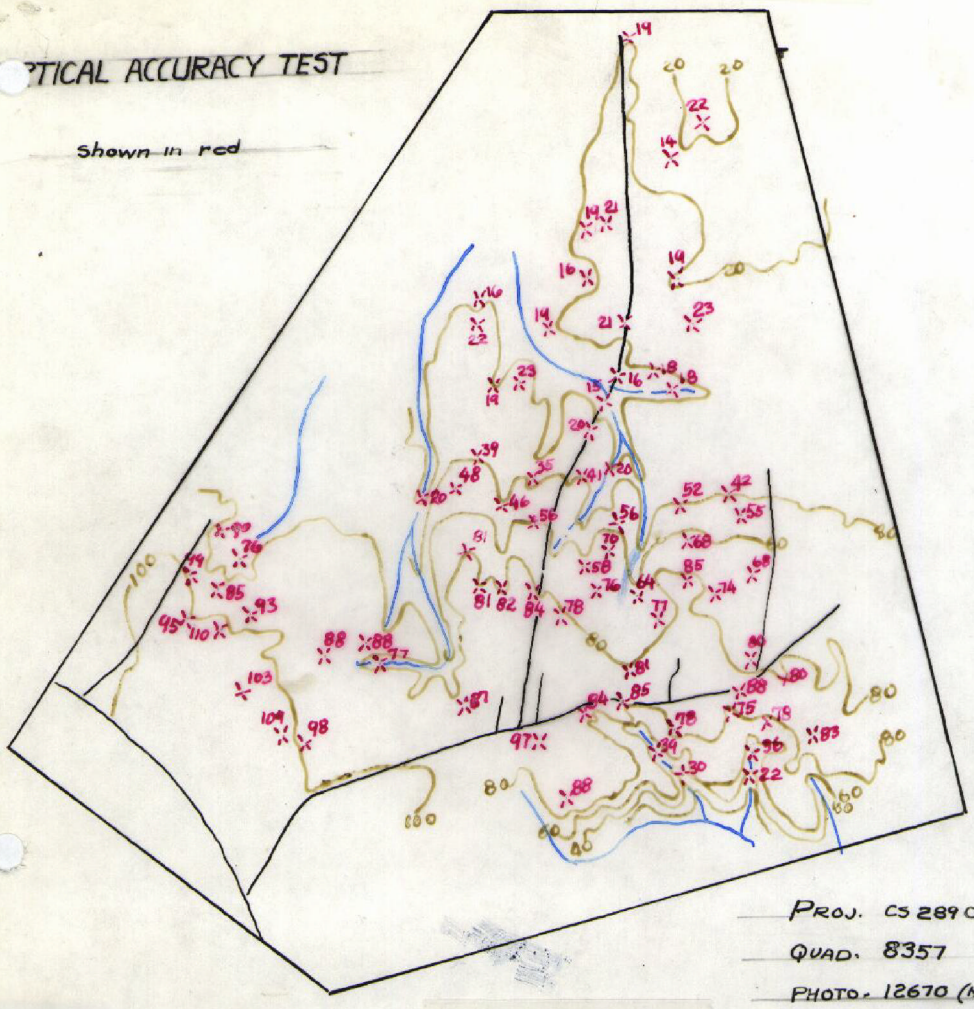
Rudolph Dossett,
Prin. Photo. Aid

Forwarded by,

Kay L. Schoppe,
Chief of Party.

V. PTICAL ACCURACY TEST

Shown in red



PROJ. CS 289 C

QUAD. 8357

PHOTO. 12670 (NINE LENS)

FIELD EDIT REPORT

QUADRANGLE T-8357

PROJECT CS 289 C

1. Description of Area:

See Field Inspection Report.

2. Completeness of Field Inspection:

See Field Inspection Report.

3. Interpretation of Photographs:

See Field Inspection Report.

4. Horizontal Control:

See Field Inspection Report.

5. Vertical Control:

See Field Inspection Report. All level elevations should be checked in the Washington Office. All bench marks have been checked by Field Edit Party.

Checked by L. Forrester 6/2/44

6. Contours and Drainage:

On the whole the drainage was correct; a few of the streams were corrected from intermittent to perennial. See Field Inspection Report.

7. Mean High Water Line:

Mean high water line was not checked. See Field Inspection Report.

8. Mean Low Water Line:

See Field Inspection Report.

9. Wharves and Shoreline Structures:

There were none .

10. Details Off Shore From Mean High Water Line:

There were no details off shore from Mean High Water Line.

11. Landmarks and Aids to Navigation:

There were no landmarks or Aids to Navigation in this quadrangle.

12. Hydrographic Control:

Not applicable to this quadrangle.

13. Landing Fields and Aeronautical Aids:

There were no Landing Fields or Aeronautical Aids within the limits of this quadrangle.

14. Road Classification:

All roads have been classified and shown in accordance with instructions from the Army War College, dated January 12, 1942.

15. Bridge Classification:

Bridge Classifications were made in accordance with instructions from the War Department, dated July 23, 1942, and have been shown in key on the sheet by C. C. Fryer, Junior Topographic Engineer.

16. Buildings:

In general there were few buildings to be classified, added, or deleted.

17. Boundary Monuments and Lines:

See Field Inspection Report.

18. Geographic Names:

This has been the subject of a separate report. The names were traced from the Name Overlay onto the smooth sheet and the names of public buildings were verified in the field.

An error in spelling was found in the name overlay sheet, i.e. Rainwood P. O. should be Rainswood P.O.. The correct spelling of this was ascertained at Rainswood Post Office.

The Political Boundaries were traced from the name overlay onto the ozalid, and verified in the field.

19. Junctions:

The junctions between the North and South portions of this sheet and of the quadrangle to the North were checked. No sheets were available for junction checks to the East, South, and West.

46. Methods:

The Quadrangle was field edited on an Ozalid and later transferred to a duplicate Ozalid in the office. Discrepancies not covered by a suitable symbol were noted on the compilation by a sentence, and a arrow to the point in question.

All symbols used are standard topographic symbols except that a green X was used for deletions and a tick mark was used to show limits of deletion and points of change in road classification.

The following color scheme was used:

| | |
|---|---|
| Deletions | Green |
| Additions, Classifications, Names, Notes, and Elevations | Black |
| Water Culture | Blue |
| Political Boundaries | Purple |

47. Adequacy of Compilation:

The compilation of this sheet was complete and adequate with few additions, classifications, or deletions necessary.

48. Accuracy Tests:

Horizontal: This is a subject of a special report by Charles Hanavich, Asst. Photo. Engr..

Vertical: See Field Inspection Report, Item 48.

Submitted by:

Earle R. Loudon
Earl R. Loudon,
Photogrammetric Aid.

Approved by:

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

Horizontal Accuracy Test
Quadrangel T-8357
Project CS 289 - C

This test consists of a traverse between triangulation station Mulch, 1942 and traverse station 6 D, 1944. The traverse is 8.4 statute miles in length and contains 15 test points; 7 of which are within the limits of this quadrangle. The traverse closure is one part in 10,016, and a discrepancy of 1.33 meters was adjusted through the traverse. In the tabulation the geodetic position from the traverse computations is referred to as P.P. No., and the scaled position from the map manuscript is referred to as M.M. No. See also Horizontal Accuracy Test for T-8356 & T-8357 found with description report T-8358.

Tabulation of Test Points

| Description of Point | Test Point No. | Latitude | Longitude | Displacement in M m |
|---|---|---|---|---|
| Inter. of road and short drive | P.P. No. 1D | 37-54-238.0 | 76-32-941.6 | |
| | M.M. No. 1D | (not computed) | | |
| Inter. of road and short drive | P.P. No. 2D | 37-54-39.9 | 76-32-281.4 | |
| | M.M. No. 2D | 37-54-36.9 | 76-32-275.1 | .47 |
| Inter. of road and road, 80 degrees | P.P. No. 3D | 37-53-1678.4 | 76-31-950.4 | |
| | M.M. No. 3D | 37-53-1687.3 | 76-31-948.4 | .46 |
| Inter. of road and road, 50 degrees | P.P. No. 4D | 37-54-108.5 | 76-31-210.4 | |
| | M.M. No. 4D | 37-54-112.7 | 76-31-216.1 | .35 |
| Inter. of road and drive | P.P. No. 5D | 37-53-1413.0 | 76-30-860.1 | |
| | M.M. No. 5D | 37-53-1416.4 | 76-30-865.8 | .33 |
| Inter. of road and road, 95 degrees | P.P. No. 6D | 37-53-1008.5 | 76-30-141.0 | |
| | M.M. No. 6D | 37-53-1003.2 | 76-30-140.4 | .27 |
| Inter. of road and road, 95 degrees | P.P. No. 7D | 37-53-587.0 | 76-30-77.2 | |
| | M.M. No. 7D | 37-53-589.4 | 76-30-81.8 | .26 |

Test point No. 1 was not computed; the short drive was not shown on the map manuscript.

Test points No. 2D and No. 5D are less well defined points; the short drives are not shown on the map manuscript, but it was assumed that the radial points (circled) indicated the point of intersection of the short drives with the highway. The remaining points are well defined points. All the points tested within the requirements of .5 m m.

Approved by: F.L.Gallen
Chief of Party.

Submitted by: Charles Hanavich
Photo.Engr.

T-8357

1

| | Remarks | Decisions |
|---|---|---|
| 1 | | USGB |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | Road Maps |
| 13 | | " |
| 14 | | |
| 15 | | 378765 |
| 16 | | " |
| 17 | | " |
| 18 | | " |
| 19 | | " |
| 20 | | 379765 |
| 21 | | " |
| 22 | | " |
| 23 | | " |
| 24 | | 379764 |
| 25 | | 379765 |
| 26 | | " |
| 27 | | " |

M 234

# GEOGRAPHIC NAMES

Survey No. T-8357

~~LOTTSBURG~~ quadrangle

| 1 Name on Survey | On Chart No. A | On previous survey No. B | On U. S. quadrangle Maps C | From local information D | On local Maps E | P. O. Guide or Map F | Rand McNally Atlas G | U. S. Light List H | K | |
|---|---|---|---|---|---|---|---|---|---|---|
| Virginia | | | | | | | | | | 1 |
| Richmond County | | | | | | | | | | 2 |
| Northumberland County | | | | | | | | | | 3 |
| Westmoreland County | | | | | | | | | | 4 |
| Farnham Precinct | | (Richm. Co.) | | | | | | | | 5 |
| Emmerton " | | " | | | Not shown | | | | | 6 |
| Oldham ~~Westmoreland~~ County " | | (Westm. Co.) | | | Not shown | | | | | 7 |
| Heathsville " | | (North. Co.) | | | | | | | | 8 |
| Lottsburg " | | " | | | | | | | | 9 |
| Callao " | | " | | | | | | | | 10 |
| Lewisetta " | | " | | | | | | | | 11 |
| U.S. No. 360 | | | | | | | | | | 12 |
| State No. 202 | | | | | | | | | | 13 |
| | | | | | | | | | | 14 |
| Gillick Corner | | | | | | | | | | 15 |
| Dodlyt | | | | | | | | | | 16 |
| Bush Mill Stream | | | | | | | | | | 17 |
| Marvin Grove Camp | | (locality name) | | abandoned | camp | | | | | 18 |
| Reynolds Corner | | | | | | | | | | 19 |
| Mulch | | | | | | | | | | 20 |
| Oakland Church | | | | | | | | | | 21 |
| Walkers Corner | | | | | | | | | | 22 |
| Rainswood | | | | | | | | | | 23 |
| Coan Mill Stream | | | | | | | | | | 24 |
| Coan Church | | | | | | | | | | 25 |
| Mill Creek | | (flows to eastward) | | | | | | | | 26 |
| Fallins Millpond | | | | | | | | | | 27 |

M 234

T-8357

| | Remarks | 2 Decisions |
|---|---|---|
| 1 | | 379765 |
| 2 | | " |
| 3 | | " |
| 4 | | " |
| 5 | | " |
| 6 | | " |
| 7 | | " |
| 8 | | " |
| 9 | | " |
| 10 | | " |
| 11 | | " |
| 12 | | " |
| 13 | | " |
| 14 | | 380765 USGB |
| 15 | | 379765 |
| 16 | | " |
| 17 | | " |
| 18 | | " |
| 19 | | " |
| 20 | | 380765 |
| 21 | | 379765 |
| 22 | | " |
| 23 | | " |
| 24 | | " |
| 25 | | 378767 |
| 26 | | 379765 |
| 27 | | 378766 |

M 234

# GEOGRAPHIC NAMES

Survey No. T-8357

| 2 Name on Survey | On Chart No. A | On previous survey No. B | On U. S. quadrangle Maps C | From local information D | On local Maps E | P. O. Guide or Map F | Rand McNally Atlas G | U. S. Light List H | K | |
|---|---|---|---|---|---|---|---|---|---|---|
| Burtons Corner | | | | | | | | | | 1 |
| Welmsley | | | | | | | | | | 2 |
| Lottsburg | | | | | | | | | | 3 |
| Holly School | | | | | | | | | | 4 |
| Zion Church | | | | | | | | | | 5 |
| Headleys Millpond | | | | | | | | | | 6 |
| Callao | | | | | | | | | | 7 |
| Callao High School | | | | | | | | | | 8 |
| Glebe Creek | | | | | | | | | | 9 |
| Melrose Church | | | | | | | | | | 10 |
| Wrights Cove | | | | | | | | | | 11 |
| Cherry Neck | | | | | | | | | | 12 |
| Lodge | | | | | | | | | | 13 |
| Lodge Creek | | | | | | | | | | 14 |
| Winstead Gate | | | | | | | | | | 15 |
| Stately Oak | | | | | | | | | | 16 |
| Courtney Millpond | | | | | | | | | | 17 |
| Hyacinth | | | | | | | | | | 18 |
| Henderson Church | | | | | | | | | | 19 |
| Mill Creek | (to northward) | | | | | | | | | 20 |
| Lively Hope Church | | | | | | | | | | 21 |
| Branch Chapel School | | | | | | | | | | 22 |
| Bethany Church | | | | | | | | | | 23 |
| Luttrellville | | | | | | | | | | 24 |
| Totuskey Creek | | | | | | | | | | 25 |
| Bookers Mill Stream | | | | | | | | | | 26 |
| Farnham | | | | | | | | | | 27 |

M 234

| | Remarks | Decisions |
|---|---|---|
| 1 | | 378766 |
| 2 | | " |
| 3 | | 379766 |
| 4 | | " |
| 5 | | " |
| 6 | | " |
| 7 | | " |
| 8 | | " |
| 9 | | " |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | | |
| 19 | | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |

# GEOGRAPHIC NAMES

Survey No. T-8357

| | Name on Survey | On Chart No. A | On previous survey No. B | On U. S. quadrangle Maps C | From local information D | On local Maps E | P. O. Guide or Map F | Rand McNally Atlas G | U. S. Light List H | K | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | | | | | | | | | | | |
| ✓ | Fernham High School | | | | | | | | | | 1 |
| ✓ | Scotts Corner | | | | | | | | | | 2 |
| ✓ | Totuskey | | | | | | | | | | 3 |
| ✓ | Village | | | | | | | | | | 4 |
| ✓ | Gibeon | | | | | | | | | | 5 |
| | Gibeon Church | | | | | | | | | | 6 |
| | Westmoreland | Not Shown | | | | | | | | | 7 |
| ✓ | Fruitplain | Fruit Plain | | (See field edit sheet) | | | | | | | 8 |
| ✓ | Gordys Mill | | | | | | | | | | 9 |
| | | | | | | | | | | | 10 |
| | | | | | | | | | | | 11 |
| | | | | | | | | | | | 12 |
| | | | | | | | | | | | 13 |
| | | | | | | | | | | | 14 |
| | | | | | | | | | | | 15 |
| | | | | | | | | | | | 16 |
| | | | | | | | | | | | 17 |
| | | | | | | | | | | | 18 |
| | | | | | | | | | | | 19 |
| | | | | | | | | | | | 20 |
| | | | | | | | | | | | 21 |
| | | | | | | | | | | | 22 |
| | | | | | | | | | | | 23 |
| | | | | | | | | | | | 24 |
| | | | | | | | | | | | 25 |
| | | | | | | | | | | | 26 |
| | | | | | | | | | | | 27 |

Names underlined in red approved by L. Heck on 6/12/44

M 234

# NAUTICAL CHARTS BRANCH

SURVEY NO. T-8357

## Record of Application to Charts

| DATE | CHART | CARTOGRAPHER | REMARKS |
|---|---|---|---|
| 8-23-45 | 557 | B.M. Andrae | Before ~~After~~ Verification and Review Partially applied |
| 2/1/46 | 535 | H.E. MacEwen | ~~Before~~ After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

# 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.~~ published quadrangle at 1:20,000 scale. This copy is filed to preserve original survey detail shown on the manuscript at 1:20,000 scale which may not have been shown on the published sheet. For ~~political boundaries,~~ woodland, ~~marsh, and swamp limits,~~ refer to the published quadrangle for the finally adopted ~~positions.~~ outlines.

Descriptive Report.

Filed in the Photogrammetric ~~Section - Surveys Branch~~ Division.

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Review~~ing Unit~~. Section.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Original 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.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8357

LOTTSBURG 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

A horizontal accuracy test was run in this quadrangle and found to be satisfactory. The test es enclosed in this Descriptive Report.

A vertical accuracy test was run in this quadrangle and found to be satisfactory. See the Field Inspection Report, Item 48, enclosed in this Descriptive Report.

## Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

| | | |
|---|---|---|
| T-1102 | 1:20,000 | 1868-1904 |
| T-2809 | 1:20,000 | 1906 |

## Comparison with Nautical Charts Nos. 557 & 535

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:

T-8357 has been applied to charts 557 and 535 since review.

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

Only changes of a minor nature were necessary during the review of this map manuscript.

Reviewed June 2, 1944 By Louise Forrester (per A. Mc.)
under direction of D. H. Benson

Inspected by B. G. Jones B.G. Jones 8/46

Examined and approved:

K.T. Adams
Chief, ~~Surveys Branch~~
Division of Photogrammetry

Robert M. Knox
Chief, Div. of Charts
Nautical Chart Branch

~~Chief, Topography Section~~

Raymond R. Lyman
Chief, Div. of Coastal Surveys