

8103
8103

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic

Field No. _____ Office No. T-8103

LOCALITY

State Maryland and Delaware

General locality Pittsville

Locality Pittsville Quadrangle

N3822.5-W7522.5/7.5

194 2

CHIEF OF PARTY

Commander Fred. L. Peacock

LIBRARY & ARCHIVES

DATE December 28, 1943

DATA RECORD

T- 8103

Quadrangle (II): Pittsville

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

Field Office: Salisbury, Md.

Chief of Party: F. L. Gallen

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

Instructions dated (II III): Copy filed in Descriptive
 March 4, 1942, March 27, 1942, August 13, 1942. Report No. T- (VI)

Completed survey received in office:

Reported to Nautical Chart Section:

Reviewed:

Applied to chart No.

Date:

Redrafting Completed:

Registered:

Published:

$$1:20,000 \times 0.982 =$$
 Compilation Scale: 1:19,640

Published Scale:

Scale Factor (III): 1.018

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

Reference Station (III): Pittsville West Base, Md. 1928

38-23-42.791 (1319.4 m.)
 Lat.: ~~38-23-42.691 (1319.4)~~ Long.: 75-25-01.647 (40.0) Adjusted x
 Unadjusted

State Plane Coordinates (VI):

Maryland, System of Plane Coordinates, Single Zone
 X = 1,253,650.34 feet. ✓ Y = 208,558.25 feet. ✓

Military Grid Zone (VI) "A"

PHOTOGRAPHS (III)

| <u>Number</u> | <u>Date</u> | <u>Time</u> | <u>Scale</u> | <u>Stage of Tide</u> |
|---------------|-------------|-------------|--------------|---|
| 8690-8691 | 4-14-42 | 11:39 | 1:20,000 | No tidal waters on this quadrangle. |
| 8714-8715 | 4-14-42 | 12:20 | 1:20,000 | |
| 8716 | | | | |
| 8721 | 4-14-42 | 12:42 | 1:20,000 | |
| 8710-8711 | 4-14-42 | 12:15 | 1:20,000 | |
| Single Lens) | | | | |
| 6125-6127) | Unknown | | | |

Tide from (III): No tidal waters

Mean Range:

Spring Range:

Camera: (Kind or source) C & G S. Nine lens

Field Inspection by: W. A. Rasure

date: April 1942

Field Edit by: Wm. Clark

date: Oct. 1942

Date of Mean High-Water Line Location (III): None

Projection and Grids ruled by (III) Washington Off. date: July 1, 1942.

" " " checked by: Washington Office date: July 1, 1942.

Control plotted by: J. Edward Deal, Jr. date: July 3, 1942.

Control checked by: Joseph Steinberg date: July 3, 1942.

Radial Plot by: Deal & Steinberg date: July 8, 1942.

Detailed by: John T. Callihan

date: 7/20 to 9/1/42

Reviewed in compilation office by:

date:

Elevations on Field Edit Sheet
checked by: Salisbury Office

date: Oct. 1942

STATISTICS (III)

Land Area (Sq. Statute Miles): 58.4 sq. sta. mi.

Shoreline (More than 200 meters to opposite shore): None

Shoreline (Less than 200 meters to opposite shore): None

Number of Recoverable Topographic Stations established: None

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles: 79.0

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
T-8103

War Mapping Project CS-278

F. L. Gallen, Chief of Party

Field Inspection and Field Edit Report

1. The area shown on this quadrangle is farmland; there are no tidal waters.
2. The original field inspection was quite complete. The field edit party checked or completed the classification of roads and woods. This party also checked or added buildings, boundaries and powerlines.
3. and 4.
See compilation office report
5. and 6.
See report T-8104 for methods and accuracy.
- 7 through 12.
No tidal waters on this quadrangle.
13. No landing fields on this quadrangle.
14. All roads have been classified according to instructions.
15. All bridges have been classified according to instructions.
16. All buildings and structures have been classified according to instructions.
17. Boundaries lines have been shown, and checked by field edit party.
18. Geographic names list is a part of this report.
46. The entire area was investigated by a two man party in charge of William Clark. Deletions have been shown with green ink and additions have been shown with black ink. All information is on the field edit sheet.
47. The compilation is excellent. Only a few buildings had to be added.

48. See T-8104 and T-8105 for horizontal accuracy tests. A vertical accuracy test is shown in orange ink, vicinity of Lat. $38^{\circ}27'$, long. $75^{\circ}25'$.

The horizontal accuracy tests on this sheet have been attached to this report.

Submitted by

William Clark

William Clark,
Photogrammetric Aid.

Approved by:

Charles Harrarick for

F. L. Gallen
Chief of Party

TESTS FOR HORIZONTAL ACCURACY
QUADRANGLE NO. T-8103
PROJECT CS-278-B

This test consists of a traverse between Triangulation Station GUMBORO (1942), and Triangulation Station PITTSVILLE WEST BASE (1928). The traverse is 6.99 statute miles in length and contains 19 test points, 15 of which are within the boundaries of this quadrangle. The traverse closure is 1 part in 5,440 and the discrepancy of 1.9 meters was adjusted through the traverse. The test points are referred to in the computation as P. P. (Photograph point number) and the test points as scaled from the map manuscript are referred to as M. M. No.

TABULATION OF TEST POINTS

| Description of Point | Test Point Number | Lat. | Long. | Difference in mm. |
|---|----------------------|--------------|--------------|----------------------|
| Inter. road & Private Rd. 40° | P. P. No. 5 | 38-27-1557.7 | 75-22-1157.4 | |
| | M. M. No. 5 | 38-27-1551.4 | 75-22-1157.1 | .315 |
| Inter. road & road 80° | P. P. No. 6 | 38-27-1199.2 | 75-23- 73.6 | |
| | M. M. No. 6 | 38-27-1191.8 | 75-23- 67.7 | .474 |
| Inter. road & road 65° | P. P. No. 7 | 38-27- 669.4 | 75-23- 621.7 | |
| | M. M. No. 7 | 38-27- 668.7 | 75-23- 613.1 | .431 |
| Inter. road & road 85° | P. P. No. 8 | 38-27- 224.0 | 75-23- 944.8 | |
| | M. M. No. 8 | 38-27- 221.9 | 75-23- 942.7 | .149 |
| Inter. road & road 75° | P. P. No. 9 | 38-26-1826.4 | 75-23- 975.1 | |
| | M. M. No. 9 | 38-26-1827.0 | 75-23- 966.0 | .456 |
| Inter. road & ditch 90° | P. P. No. 10 | 38-26- 956.8 | 75-23-1079.8 | |
| | M. M. No. 10 | 38-26- 960.4 | 75-23-1070.7 | .489 |
| Inter. road & tree line 90° Less well-defined | P. P. No. 11 | 38-26- 319.9 | 75-23-1304.3 | |
| | M. M. No. 11 | 38-26- 331.4 | 75-23-1303.3 | .578 |
| Inter. road & road 80° | P. P. No. 12 | 38-26- 65.4 | 75-23-1412.8 | |
| | M. M. No. 12 | 38-26- 65.7 | 75-23-1419.5 | .260 |
| Inter. road & Private road 90° | P. P. No. 13 | 38-25-1503.8 | 75-24- 79.9 | |
| | M. M. No. 13 | 38-25-1506.6 | 75-24- 82.5 | .191 |
| Inter. road & road 60° | P. P. No. 14 | 38-25- 754.9 | 75-24- 212.9 | |
| | M. M. No. 14 | 38-25- 748.8 | 75-24- 209.3 | .354 |

TABULATION OF TEST POINTS - T 8103
(continued)

| Description of Point | Test Point Number | Lat. | Long. | Difference in mm. |
|----------------------------------|----------------------|--------------|--------------|----------------------|
| Inter. road & private rd. 90° | P. P. No. 15 | 38-25- 17.5 | 75-24- 533.3 | |
| | M. M. No. 15 | 38-25- 17.0 | 75-24- 530.9 | .123 |
| Inter. road & road 90° | P. P. No. 16 | 38-24-1327.5 | 75-24- 788.2 | |
| | M. M. No. 16 | 38-24-1324.0 | 75-24- 783.9 | .265 |
| | P. P. No. 17 | 38-24- 894.7 | 75-24- 995.1 | |
| | M. M. No. 17 | Not compiled | | |
| Inter 5 roads | P. P. No. 18 | 38-24- 232.5 | 75-24-1307.8 | |
| | M. M. No. 18 | 38-24- 227.3 | 75-24-1301.0 | .428 |
| Inter. road & road 90° | P. P. No. 19 | 38-23-1545.7 | 75-24-1262.4 | |
| | M. M. No. 19 | 38-23-1553.1 | 75-24-1260.3 | .385 |

It may be noted that test point No. 11 is a less well defined point and that test point No. 17 was not compiled. The remaining thirteen test points are all well-defined points and the map manuscript error is less than .5 mm at all points tested. The horizontal accuracy of this map is excellent and well within the requirements of the instructions.

Submitted by

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

Approved

E. L. Callen
E. L. Callen
Chief of Party

GEOGRAPHIC NAME LIST
FOR T- 8103

- ✓ Andrews Branch
- ✓ Aydelotte Branch } *same feature*
- ✓ Burnt Mill Branch }
- ✓ Campbell Ditch Run (Aydelotte Branch R.)
- ✓ Figgs Ditch
- ✓ Forrest Grove
- ✓ Forrest Grove Branch
- ✓ Glass Hill
- ✓ Gum Branch
- ✓ Halloway Branch
- ✓ Hamlin Ditch
- ✓ Hamlin Swamp
- ✓ Jack White Swamp
- ✓ Melson
- ✓ Morris Branch
- ✓ Nassawango Creek
- ✓ North Fork
- ✓ Old Race Bridge (Hearns)
- ✓ Old Race Branch
- ✓ Parsonsburg
- ✓ Pepperbox
- ✓ Perdue Creek
- ✓ Pittsville
- ✓ Poplar Neck
- ✓ Raccoon Prong
- ✓ South Fork
- ✓ Tilghman's Branch
- ✓ Ward
- ✓ Ward Branch
- ✓ Whitesville
- ✓ Wicomico County
- ✓ Wimber Ditch

add: Baltimore & Eastern (R.R.)

Brookland Creek

Campbell Ditch (to S. of Pittsville)

David's Woodyard (Woodland)

DATA RECORD T-8103
PHOTOGRAPHS

| NUMBER | DATE | TIME | SCALE | ALTITUDE | TIDE |
|--------------------|---------|-------|----------------------|----------|----------|
| 8690-8691 | 4/14/42 | 11:39 | 1:20,000 | Unknown | ----- |
| 8714-8715 | 4/14/42 | 12:20 | 1:20,000 | Unknown | No Tidal |
| 8716 | | | | | Waters |
| 8721 | 4/14/42 | 12:42 | 1:20,000 | Unknown | on this |
| 8710-8711 | 4/14/42 | 12:15 | 1:20,000 | Unknown | Survey |
| Single lens photos | | | Enlarged from | | |
| 6-125-6-127 | Unknown | | Unknown 60 to 20,000 | | |

U. S. Coast & Geodetic Survey, nine lens camera (focal length 8 $\frac{1}{2}$ ").

Commercial contract, with special lens aerial mapping camera used, (focal length 4").

GENERAL INFORMATION

Chief of Party.....Comdr. Fred. L. Peacock
 Projection by.....Washington Office.....July 1, 1942
 Projection checked by.....Washington Office.....July 1, 1942
 Scale Plot by.....Jack L. Rihn.....June 1942
 Control Plotted by.....J. Edward Deal, Jr.....July 3, 1942
 Control Checked by.....Joseph Steinberg.....July 3, 1942
 Radial Plot by.....J.E. Deal, Jr. & J. Steinberg.....July 8, 1942
 Radial Points Pricked by.....William H. VanLoon.....July 1942
 Additional Points by.....John T. Callihan.....July 1942
 Detail Inked by.....John T. Callihan.....7/20 to 9/1/42
 Scale.....1:20,000 x 0.982=1:19,640.....
 Scale Factor.....1.018.....
 Time Required for Detailing.....40 days

STATISTICS

Area.....58.4 Sq. Statute Miles
 Shoreline (more than 200 Miles Wide).....none
 Shoreline (less than 200 miles Wide).....1.....none

REFERENCE STATIONS

Pittsville west base, Md. ¹⁹³² ~~1928~~ North American Datum 1927 (adj.)
 Latitude $38^{\circ} 23'$ $42.791''$ 1319.4M. (530.6)
 Longitude $75^{\circ} 25'$ $01.647''$ 40.0M. (1416.0)

DESCRIPTIVE REPORT
TO ACCOMPANY
AIR PHOTOGRAPHIC SURVEY NO. T-8103
MARYLAND and DELAWARE
PITTSVILLE VICINITY

Date of this report

September 1, 1942

This rough draft map manuscript is part of War Mapping Project CS-278, and is within the sub-project division CS-278-B. This map manuscript covers the $7\frac{1}{2}$ ' Pittsville quadrangle and is a part of the 15' Pittsville quadrangle.

INSTRUCTIONS:

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

FIELD INSPECTION:

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

PHOTOGRAPHS:

Photographs were taken with the U. S. Coast & Geodetic Survey, nine lens camera (focal length $8\frac{1}{4}$ "); scale of 1:20,000. Additional single lens photographs were taken by a commercial firm with a special single lens aerial mapping camera (focal length 4"). These single lens photographs were taken at 60,000 scale and enlarged to 20,000 scale.

CONTROL:

There are four U. S. Coast & Geodetic Survey control stations that fall within the detailed limits of the map manuscript. Namely they are:

| | |
|---------------------------|------|
| Pittsville West Base, Md. | 1932 |
| Line (Del. - Maryland) | 1932 |
| Parker, Md. | 1932 |
| Davison, Del. | 1934 |

One control station, Gumboro, 1942, is on the outer boundary of the map manuscript.

RADIAL PLOT:

A combined radial plot involving Surveys T-8102, T-8103, T-8124 and T-8125, was run on July 8th, 1942 by the usual celluloid template method. The number of control stations permitted good intersections on the secondary control points resulting in a very good plot. The secondary control points pricked on the 1:20,000 scale photographs

RADIAL PLOT: (cont'd)

were used in cutting in additional points.

Some of the photographs had a slight amount of tilt; so rather than compute the tilt, radials in the center chambers of these tilted photographs were disregarded in most cases. However, the tilt of photograph 8721 was computed at 2 degrees and 31'. Since there was adequate coverage by other photographs, this photograph was not used in detailing this map manuscript.

HYDROGRAPHIC SIGNALS:

No hydrographic signals appear on this map manuscript.

RECOVERABLE TOPOGRAPHIC STATIONS:

No recoverable Topographic stations appear on this map manuscript.

AZIMUTH REFERENCE MONUMENTS:

Form 524 is submitted with this report showing geographic position for Azimuth Reference Monument of triangulation station Line 1932. Name: _____

DETAIL:

A scale plot was run for the entire area CS-278-B. This was a great aid in detailing the survey as the scale plot and photographic scale were very close.

Buildings: With the exception of small out-buildings and those indicated with an (x) on field inspection sheets, all discernable buildings have been shown on the map manuscript.

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

Wooded & Cultivated or Cleared Areas: The demarcation between wooded and cultivated or cleared areas is shown by a long broken line. Cleared areas within wooded areas are classified by the letters (CL). Wooded areas were classified according to the field inspection, following military specifications. Wooded areas not classified in the field inspection are shown with the symbol (T).

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

DETAIL: (cont'd)

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

Political Boundaries: The State and County boundary line both of which are common was shown in accordance with the field inspection. This line is designated by a long dash and two short dashes in blue acid ink on the back of the map manuscript. No other political sub-divisions have been established as yet by the field party.

COMPARISON WITH PREVIOUS SURVEYS:

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

JUNCTIONS:

Control points were common with surveys T-8102 to the east, T-8104 to the west, and T-8124 to the south. There is no sheet to the north. ~~There is no sheet to the north.~~ Junctions of detail with aforementioned surveys were good.

REMARKS:

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

HORIZONTAL ACCURACY:

The detail as shown on this planimetric map manuscript is believed to be within the limits of error as defined in paragraph 54 of instructions for project CS-278., dated March 4, 1942. *See horizontal accuracy test traverse comparisons in following pages.*

RECOMMENDATION FOR FUTURE SURVEYS:

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

Respectfully submitted,

John T. Callihan
John T. Callihan
Ass't. Photogrammetric Aid

Reviewed by,

William H. Van Loon
William H. Van Loon
Sr. Photogrammetric Aid

Approved, *9/25/42*

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

Approved & Forwarded,

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

Remarks

Decisions

| | | |
|----|---|---------------|
| 1 | | 384753 |
| 2 | | " |
| 3 | Decision 11/27/42 (383753) | " USGB |
| 4 | " " | " " |
| 5 | | " |
| 6 | | " |
| 7 | | " |
| 8 | | 383754 |
| 9 | | " |
| 10 | | 381754 |
| 11 | | 383756 |
| 12 | | 383754 |
| 13 | | " |
| 14 | | 383755 |
| 15 | | " |
| 16 | Decision 11/27/42 | 384754 USGB |
| 17 | | " |
| 18 | | " |
| 19 | | " |
| 20 | | " |
| 21 | This is a well-defined stream on older PITTSVILLE and MILLSBORO quads., but hard to trace on new compilation. Flows NNW about 0.7 mile west of Pepperbox | 385755 |
| 22 | | 384755 |
| 23 | | " |
| 24 | | " |
| 25 | | " |
| 26 | | 385755 |
| 27 | | Railway Guide |

GEOGRAPHIC NAMES

Survey No. T-8103
PITTSVILLE quadrangle
No. 1

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. |
|---------------------------|-----------------------|---------------------------------|-----------------------------------|---------------------------------|---------------------|--------------------------|--------------------------|------------------------|----|
| ✓ North Fork Green Run ✓ | | | | | | | | | 1 |
| ✓ South Fork Green Run ✓ | | | | | | | | | 2 |
| ✓ Burnt Mill Branch ✓ | | | | | | | | | 3 |
| ✓ Aydelotte Branch ✓ | | | | | | | | | 4 |
| ✓ Gum Branch ✓ | | | | | | | | | 5 |
| ✓ Hamlin Ditch ✓ | | | | | | | | | 6 |
| ✓ Hamlin Swamp ✓ | | | | | | | | | 7 |
| ✓ Pittsville ✓ | | | | | | | | | 8 |
| ✓ Parsonsburg ✓ | | | | | | | | | 9 |
| ✓ Nassawango Creek ✓ | | | | | | | | | 10 |
| ✓ Beaverdam Creek ✓ | | | | | | | | | 11 |
| ✓ Glass Hill ✓ | | | | | | | | | 12 |
| ✓ Jack White Swamp ✓ | | | | | | | | | 13 |
| ✓ Perdue Creek ✓ | | | | | | | | | 14 |
| ✓ Halloway Branch ✓ | | | | | | | | | 15 |
| ✓ Race Bridge ✓ | | | | | | | | | 16 |
| ✓ Melson ✓ | | | | | | | | | 17 |
| ✓ Whitesville ✓ | | | | | | | | | 18 |
| ✓ Ward ✓ | | | | | | | | | 19 |
| ✓ Pepperbox ✓ | | | | | | | | | 20 |
| ✓ Raccoon Prong ✓ | | | | | | | | | 21 |
| ✓ Andrews Branch ✓ | | | | | | | | | 22 |
| ✓ Tilghman Branch ✓ | | | | | | | | | 23 |
| ✓ Morris Branch ✓ | | | | | | | | | 24 |
| ✓ Figgs Ditch ✓ | | | | | | | | | 25 |
| ✓ Ward Branch ✓ | | | | | | | | | 26 |
| ✓ Baltimore and Eastern ✓ | | (RR) | | | | | | | 27 |

No. T-8103

Remarks

No. 2
Decisions

| | | |
|----|--|--------|
| 1 | | |
| 2 | | |
| 3 | | 383753 |
| 4 | Omit, very little of it on this quad. | " |
| 5 | " " " " " " | 383754 |
| 6 | Omit, on quad. to south. | " |
| 7 | | 384753 |
| 8 | Not on compilation? (west side of Hamlin Swamp) | " |
| 9 | | 383753 |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |
| 15 | | |
| 16 | | |
| 17 | | |
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| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |

GEOGRAPHIC NAMES

Survey No. T-8103

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 |
|--|-----------------------|---------------------------------|-----------------------------------|---------------------------------|---------------------|--------------------------|--------------------------|------------------------|----|
| The following names are in the names report of this area, but cannot be definitely located until the name sheet arrives: | | | | | | | | | 1 |
| | | | | | | | | | 2 |
| ✓ Campbell Ditch | | | | | | | | | 3 |
| Devils Wood | | | | | | | | | 4 |
| Forest Grove | | | | | | | | | 5 |
| Forest Grove Branch | | | | | | | | | 6 |
| ✓ Old Race Branch | | | | | | | | | 7 |
| ✓ Wimber Ditch | | | | | | | | | 8 |
| ✓ Poplar Neck | | | | | | | | | 9 |
| ✓ Political divisions: | | | | | | | | | 10 |
| ✓ No. 4 Pittsburg | | | | | | | | | 11 |
| ✓ No. 5 Parsons | | | | | | | | | 12 |
| ✓ No. 14 Willards | | | | | | | | | 13 |
| ✓ SUSSEX COUNTY | | | | | | | | | 14 |
| ✓ WICOMISCO COUNTY | | | | | | | | | 15 |
| | | | | | | | | | 16 |
| | | | | | | | | | 17 |
| | | | | | | | | | 18 |
| | | | | | | | | | 19 |
| | | | | | | | | | 20 |
| | | | | | | | | | 21 |
| | | | | | | | | | 22 |
| | | | | | | | | | 23 |
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| | | | | | | | | | 26 |
| | | | | | | | | | 27 |

HECK-12/2/4L

DIVISION OF CHARTS

SURVEYS BRANCH

Review of Air Photographic Survey T-8103
(Pittsville Quadrangle) February, 1943

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

FIELD WORK

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

PHOTOGRAMMETRIC OFFICES

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

FIELD WORK

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

WASHINGTON OFFICE

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

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

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

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

Comparison with Previous and Contemporary Surveys and Charts

There are no previous or contemporary surveys or nautical charts prepared by this Bureau in the area covered by T-8103.

Comparison with Published Quadrangles

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

In general the land forms are in agreement, but considerable difference exists in the position of contours. At road intersections five foot discrepancies in elevation are numerous. T-8103, being of more recent data and of larger scale, is accepted as correct.

Radial Plot and Detailing

No revision of the radial plot was considered necessary, but numerous additional drainage lines were applied on the sheet from the photographs during the office review. These changes are incorporated on the 1:20,000 scale file copy.

Reviewed under direction of D. H. Benson

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

Robert W. Long

Chief, Surveys Branch

K.T. Adams

Chief, Section of Topography

J.S. Borden

Chief, Division of Charts

G. Thiede

Chief, Division of Coastal
Surveys