

8501

1219

Diag'd. on diag. ch. No. 1219

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photo. Compilation

Field No. _____ Office No. T-8501

Naviz & Vert. Assoc. Test

LOCALITY

State Delaware

General locality Rehoboth Bay

Locality Fairmount

1943

CHIEF OF PARTY

Lieut. Comdr. K. G. Crosby

Lieut. Comdr. F. L. Gallen

~~Comdr. Ray L. Scheppe~~

LIBRARY & ARCHIVES

DATE February 13, 1948

B-1870-1 (1)

8501

DATA RECORD

T- 8501

Quadrangle (II): Fairmount

Project No. (II): 302-B

Field Office:

Chief of Party: F. L. Gallen
Ray L. Schoppe

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

Instructions dated (II III): 3/18/43

Copy filed in Descriptive
Report No. T- (VI)
Div. Photogram Office Files

Completed survey received in office: 25 Oct 1943

Reported to Nautical Chart Section: ✓

Reviewed: 4 Jan. 1944 Applied to chart No. Date:

Redrafting Completed: 3 Feb. 1944

Registered: 2 Feb. 1948

Published: 1944

Compilation Scale: 1:20,000

Published Scale: 1:25000

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.S.L. 1929

Reference Station (III): Mustard (Del.) 1909

Lat.: 38°40'22.796" (702.9) Long.: 75°08'08" 112 (196.1) Adjusted
m. m. Unadjusted

State Plane Coordinates (VI): Delaware State Grid.

X =

Y =

Plane coordinates, not yet computed.

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
13335	4-4-43	1:12	1:20,000	
13336	"			
13346	"			
13347	"			

No record of date and time of photographs in the Tampa Office

Tide from (III): 1943 Tide Tables

Mean Range: 4.0 Spring Range: 4.8

Camera: (Kind or source) USC&GS 9 lens (Focal length 8 $\frac{1}{4}$ ")

Field Inspection by: M. C. Jenkins date:

Field Edit by: Wendell Bever, Jr. Topo. Engr. date: Dec., 1943

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

Projection and Grids ruled by (III) Washington Offc. date: --

" " " checked by: " " date: --

Control plotted by: " " date: --

Control checked by: " " date: --

Radial Plot by: " " date: --

Detailed by: M. A. Williams, Jr. Engr. Draftsman date: Aug.-Sept. 1943

Reviewed in compilation office by: F. H. Elrod, Sr. Engr. Draftsman date: October 1943
J. H. S. Billmyer, Asst. Photo. Engr.

Elevations on Field Edit Sheet
checked by: Wendell Bever, Jr. Topo. Engr. date: Dec., 1943

STATISTICS (III)

Land Area (Sq. Statute Miles); 57.6

Shoreline (More than 200 meters to opposite shore); 8 miles

Shoreline (Less than 200 meters to opposite shore); 25 miles

Number of Recoverable Topographic Stations established; None

Number of Temporary Hydrographic Stations located by radial plot; None

Leveling (to control contours) - miles; 128.7 st. mi.

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. 3028, 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. *Apr. 1943*

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 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.

FIELD INSPECTION REPORT
QUADRANGLE T-8501
Project CS-302B
F. L. Gallen, Chief of Party

1. DESCRIPTION OF AREA:

The area covered by this quadrangle lies wholly in Sussex County, Del. It consists of farmland, swamp and woodland, with elevations up to 45 feet above sea level. The farmland is well developed in this area, with all available land under cultivation. There is generally drainage in the timbered areas, while the farmland is drained by a few ditches in the places where drainage is found. The land is flat, sloping gradually toward the many creeks which drain this area. The roads in this section are kept in good condition and are passable for light vehicles in all kinds of weather. The two main highways on this quadrangle are Delaware State Highway No. 18, running east and west at the north end of the quad, and State Highway No. 24, running northeast and southwest on the quad. The timberland over the quadrangle consists of mixed pine and deciduous trees, which have a heavy undergrowth of brush and vines. In the swamp areas the pine does not grow but generally borders the swamp, making it easy to determine the extent of the swamp. Shorter deciduous trees are found in the swamp bottoms and show up a lighter grey color on the photos. There are no towns within the limits of this quadrangle.

2. COMPLETENESS OF FIELD INSPECTION

The field inspection is thought to be complete. Buildings, churches, cemeteries, roads and trees have all been classified. Only the buildings circled are to be shown on the map drawing. Those that are only circled and not designated are to be classed as houses or dwellings. Trails are shown with a red dashed line. Marsh areas are enclosed by a dashed blue line. The drainage to be shown on the map drawing is shown on the photographs. The main highways are labeled on the photos. It is thought that all necessary information is shown on the field photographs that should be shown on the map drawing. Classification of bridges and culverts which have been designated on the photos or any other small items erroneously omitted will be noted by the field edit party. Two small dams have been shown. One of these is along Highway No. 24 and forms a lake on the west side of the highway. The other is at the northwest portion of Love Creek and forms a pond at the forks of the creek.

Quadrangle T-8501 - cont.

3. INTERPRETATION OF THE PHOTOGRAPHS:

The photographs for this quadrangle are typical to corresponding areas of this type. The deciduous trees show up rather grayish in color and generally are found in the lower areas or swampland, while the mixed pine and deciduous trees show up dark and are found on the higher ground. It is thought that sufficient notations have been made by the topographer to clarify all questions of the compiler.

4. HORIZONTAL CONTROL:

See report for T-8498

5. VERTICAL CONTROL:

A third order B.M. was set by this party and pricked on Photo. *BM 3 (USC 168) 1943*
No. 13331. A system of supplemental lines were run over the main roads in this quad, to provide sufficient control for the planetable party. The level elevations are shown in black, while planetable elevations are shown in brown on the photos. The level lines were run and adjusted by a separate party and were assumed correct as submitted by them.

BM control ch. (USGS)

6. CONTOURS AND DRAINAGE:

See report for T-8498

7-13. The items under these headings in the field inspection report do not apply to this area.

14. ROAD CLASSIFICATION:

See report For T-8498

15. BRIDGES AND CULVERTS:

See report for T-8498

16. BUILDINGS AND STRUCTURES

See report for T-8498

17. BOUNDARY MONUMENTS AND LINES:

The only known boundaries to be shown on this quad are the political boundaries. These will be shown by the field edit party.

Quadrangle T-8501 - cont.

18. GEOGRAPHIC NAMES:

See report for T-8498

19. JUNCTIONS:

Junctions with T-8498 on the north, T-8502 on the east, 8503 on the south and 8500 on the west have been made and are in agreement.

20. PHOTOGRAPHS USED:

Photographs Nos. 13331, 13336, 13345, and 13347 were used in surveying this area.

Approved and Forwarded

F. L. Gallen.

F. L. Gallen,
Chief of Party

Submitted by:

Marvin C. Jenkins

Marvin C. Jenkins
Sr. Eng. Aid

**CONTROL PROJECT 3028
QUADRANGLE T-6501**

STATION	CLASS	PHOTO NO.	DATE	INITIAL
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HORIZONTAL CONTROL:-----

Mustard, 1909 ✓	B-M	13330	5/15/43	L.G.C.
Hart, 1909 ✓	B-M	-----	5/15/43	L.G.C.
Arnold's Barn Cupola, 1909	D-M	-----	5/15/43	L.G.C.
P.T.S. No.8, 1917	D-M	-----	5/15/43	L.G.C.
P.T.S. No.9, 1910	D-M	-----	5/15/43	L.G.C.
P.T.S. No.10, 1910	D-M	-----	5/15/43	L.G.C.
Herring (USED)	D-M	-----	5/14/43	L.G.C.
AnnaA (USED)	D-M	-----	5/14/43	L.G.C.

Vertical Control:

Conley Church, Iron Pipe R-M ✓

13347 5/31/43 J.N.H.

A new mark was set in this quad. 343 ✓

Lieut. Comdr. F. L. Gallen
Chief of Party

Joe H. Remington, Prin. Photo. Aid,
In charge sub-party

**PIMD INSPECTION
PROJECT 09-259**

BUILDINGS

b - Barn
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
 rnc station
P Sta - Power Station

FEATURES

BDY - Boundary
F B - Fire Break
Ldg - Lodge
Park - Park
Cem - Cemetery
Co - County

LANDMARKS

LT - Light Tower (give name)
SP - Signalman Tower
LP - Lighthouse or mast
Aid St - Aiding Station
Ld - Lighthouse aid to
 navigation
Lg - Lighted aid to
 navigation
Lk - Low tank
Lk elev - Tank elevated on
 structure
Stk - Stack

GENERAL

X - Deleted except where it
 pertains to elevations
Use only the abbrev. listed
on this page. Do not make
up abbreviations

SHORE LINE

H/L - Mean high water, fast land
L/L - Low waterline
LL - Marsh shore line
M - Marsh
M7 - Marsh grass in water
Dr - Dock
Fier - Pier
Se V - Sea Wall
Lnd - Lighthouse
Jot - Jetty
Del - Dolphin
File - Pile
J - Jam
Lnd - Land
Rk - Rock or rocky
Sty - Steep
Cem - Concrete
Wo - Wood
Flt - Fluff
Dune - Dune

WATER AND FLOOD

L - Largest ditches only
M - Mill ditch (delete)
I - Intermittent stream
D - Distributable drainage
Cr - Creek
Ca - Canal
Cv - Culvert
Lw - Lagoon
Dam - Dam
P - Pond
IP - Intermittent pond

VEGETATION

Gr - Grass
Sw - Swamp
Cy - Cypress Swamp

BRIDGE AND TUNNEL CLASSIFICATION

<u>First Symbol</u>	<u>One Lane</u>	<u>Unlimited</u>
Capacity	5 m.p.h.	
A	50 tons	25 tons
B	25 tons	18 tons
C	18 tons	13 tons
D	10 tons	7 tons
E	6 tons	4 tons
F	Light vehicles only	

Second Symbol

Vertical Clearance	A - over 14 feet
	B - over 13 feet
	C - over 12 feet
	D - over 11 feet, etc.

Third Symbol

Horizontal Clearance	A - over 18 feet
	B - over 17 feet
	C - over 16 feet
	D - over 15 feet, etc.

Fourth Symbol - Year of Classification

WOODS AND BRUSH

TYPE

D	Deciduous
E	Evergreen
Cy	Cypress

CONCEALMENT

Z	Trees 10 feet or more in height, and thick enough when in foliage to conceal troops and vehicles.
Y	Brush and undergrowth thick enough to impede foot troops and conceal troops lying down.
X	Scattered trees not thick enough to conceal troops.
W	Scattered brush not thick enough to conceal troops.

PHYSICAL FEATURES

HG	Higher ground - usually appears in light tone on photograph; either wooded or cultivated area; may be scrub trees or brush. (usually not symbolized on photographs.)
LG	Low areas - generally appears dark on photograph; becomes swampy during rainy season; often covered with dense growth or brush.
SW	Swamp - ground covered with water or boggy most of the time; lower in elevation than LG; wooded and/or brush.
N	Salt marshes

NOTE: The above areas are not outlined but sufficient notes are made on each photograph so that the variation in tones can be correctly interpreted in the office.

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.~~

COMPILATION REPORT
TO ACCOMPANY
Sheet No. T-8501

26. CONTROL

But ^{Two} one control station falls within the tracing limits of the sheet. Therefore, the accuracy of the radial plot was dependent on the control on the adjoining quadrangles which was sufficient. All stations could be held to.

*Hart, 1909-'34-'43
Mustard, 1909-'34-'43*

27. RADIAL PLOT

The main radial plot, which was run in the Washington Office, is discussed in the compilation report for sheet T-8502.

28. DETAILING

Photographs from which this sheet was detailed were clear and of good scale.

Field inspection was sufficient, so no great trouble was experienced in the interpretation of the photographs.

All single line streams in heavily wooded areas are apparently "probable drainage unsurveyed" even though they are not shown as such on the field prints.

The field edit party should investigate the geographic name "Welsh Pond". In the area where this name occurs on the geographic name sheet no ponds are visible on the photographs. *Welsh Pond been filled, none existed, see PP. 18 of Field Edit report.*

29. SUPPLEMENTAL DATA

No graphic control surveys by this Bureau, or maps and plans by other organizations, were used to supplement the photographs or field inspection in the detailing of the sheet.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

In comparing the sheet with the Geological Survey Rehoboth Quadrangle, (Edition of 1928 from surveys made in 1917), numerous slight discrepancies of a minor nature were noted. This difference is to be expected between two quadrangles on quite different scale, (1:20,000 and 1:62,500), and from surveys 26 years apart.

Projector used in comparing. The main discrepancy is in Topography.

45. COMPARISON WITH NAUTICAL CHARTS

No comparison could be made with the latest nautical charts, as the only chart of the area available in the Tampa Office was a bromide print of U.S.C. and G.S. Chart 1219, published February 1931 on a scale of 1:80,000.

Respectfully submitted,

Manila A. Williams
Manila A. Williams,
Jr. Engineering Draftsman

Forwarded by:

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

FIELD EDIT REPORT
Quadrangle T-8501
Project CS 302 B
R. L. Schoppe, Chief of Party

1. DESCRIPTION OF AREA: See field inspection report.
2. COMPLETENESS OF FIELD INSPECTION: See field inspection report.
3. INTERPRETATION OF THE PHOTOGRAPHS: No photographs were used by this party.
4. HORIZONTAL CONTROL: See field inspection report.
5. VERTICAL CONTROL: The photographs showing level elevations and bench marks were ~~not~~ available to this office, ~~hence they should be checked by the compilation office,~~ *and were checked against the compilation.*
6. CONTOURS & DRAINAGE: At latitude 38°42.5' and longitude 75°09.4' a small depression contour is shown; this is not a depression but a small hill - the hachure marks ✓ on this contour should be deleted.
It was noted in the compilation report that streams in heavily wooded areas were probably unsurveyed (probable drainage unsurveyed) and should be investigated by the field edit party. It was, also, noted that the streams to be inspected were not indicated. Checking all the streams would require weeks of work by plane table traverses or taping. Therefore, inspection was made by visual checks and pacing, of streams where a large error might exist. Hereafter, this party would recommend a discrepancy overlay be submitted to the field edit party showing questionable drainage and other pertinent information.
7. MEAN HIGH WATER LINE: The mean high water line was checked visually for errors; none were found.
8. LOW WATER LINE: This item not applicable to this party.
9. WHARVES & SHORELINE STRUCTURES: Except for temporary docks there were no shoreline structures within the limits of this quadrangle.
10. DETAILS OFFSHORE FROM HIGH WATER LINE: There were no offshore details within the limits of this quadrangle.
11. LANDMARKS & AIDS TO NAVIGATION: There were no landmarks or navigational aids on this sheet.
12. HYDROGRAPHIC CONTROL: This item not applicable to this party.
13. LANDING FIELDS & AERONAUTICAL AIDS: Only one airport (Rehoboth Airport) falls within the limits of this sheet; it was inspected and found to be correct as shown.
14. ROAD CLASSIFICATION: Roads have been classified and shown in accordance with instructions from the Army War College dated January 12, 1942.
15. BRIDGES: 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, Sr. Photo. Aid.
16. BUILDINGS: All farm buildings except dwellings and chicken houses have been classified as barns(b). This includes all substantial sheds, garages, stables, et cetera. Due to the large number of chicken houses they have been classified as ckh. In congested areas and towns, dwellings were not classified. Public buildings have been classified according to standard topographic practice.

17. BOUNDARY MONUMENTS & LINES: The political sub-divisions of Sussex County have been added from political boundary maps and where necessary verified in the field. All other boundaries, added by the field inspection party, have been checked.
18. GEOGRAPHIC NAMES: The name "Welsh Pond" called to the attention of the field edit party by the compilation office was inspected and found to be non-existent. This pond has been filled in and is under cultivation. Though this name is familiar to local residents, it is recommended that the name be deleted from the compilation.
19. Discrepancies and questions noted in the compilation report under item 28 have been inspected in the field. Suitable notes have been made on the compilation and under the proper item in this report.
46. METHODS: With the exception of the lithographic print, the red line prints furnished this office were valueless and could not be used for field edit due to blurred and fuzzy detail. In this case the contact print was used as a field sheet and the lithographic print as the smooth sheet.

Discrepancies not covered by suitable symbols were noted on the compilation by a sentence and an arrow to the point in question. All symbols used are standard topographic symbols, except that a green X was used for deletions and tick marks were used to show limits of deletion and points of change in road classifications. The color scheme used:

Deletions. Green
 Additions, classifications, notes, names, elevations. Black
 Water Culture. Blue
 Political Boundaries. Violet

47. ADEQUACY OF COMPILATION: Except for known deficiencies, such as classifications of roads, dwellings and public buildings, and the additions of new structures, the compilation of this sheet was complete and adequate.
48. ACCURACY TESTS:
1. Horizontal: The horizontal accuracy test for this sheet has been previously submitted to the Washington Office.
 2. Vertical: See field inspection report.

~~Field tests have been applied, found to be satisfactory.~~
~~1. Test for Horizontal Accuracy Quad T-8501, Proj. 302B~~
~~2. Vertical test found on field inspection print~~
 13336

Submitted by:
 Wendell Bever,
 Jr. Topo. Engr.

Approved by:

Ray L. Schoppe,
 Chief of Party.

Accuracy Tests

1. Vertical test satisfactory.
2. Horizontal test applied; corrections made.
 Notes in red filed with "Horizontal Accuracy Test, Quadrangle T-8501, Project 302B"

TESTS FOR HORIZONTAL ACCURACY

Quadrangle T-8501

Project 302 B

HORIZONTAL ACCURACY TEST
 Quadrangle T-8501
 Project 302 B

This test consists of a traverse between triangulation stations De Vries (1933) and Rehoboth(1932). The traverse is 8.9 statute miles in length and contains 34 test points; 8 of which are within the limits of this quadrangle. The traverse closure is one part in 4900 and a discrepancy of 2.91 meters was adjusted through the traverse. In the tabulation the geodetic position from the traverse computations is referred to as T. No. and the scaled position from the map manuscript is referred to as M. No.

TABULATION OF TEST POINTS

Description of Point	Test Point Number	Latitude	Longitude	Displacement in mm.
Inter. of road & road, 45 degrees	T.No.19	38-44-1160.7	75-09-232.1	
	M.No.19	38-44-1154.5	75-09-232.6	.31
Inter. of road & road, 35 degrees	T.No.20	38-44-992.0	75-09-32.1	
	M.No.20	38-44-987.3	75-09-38.9	.41
Inter. of road & road, 80 degrees	T.No.21	38-44-598.2	75-08-1025.6	
	M.No.21	38-44-591.2	75-08-1019.6	.46
Center front of house	T.No.22	38-44-337.3	75-08-727.7	
	M.No.22	Not compiled		
Inter. of road & road, 90 degrees	T.No.23	38-43-1655.5	75-08-89.2	
	M.No.23	38-43-1644.3	75-08-89.7	.56
Inter. of road & road, 60 degrees	T.No.24	38-43-1217.5	75-07-1102.7	
	M.No.24	Not compiled		
Center front of store	T.No.25	38-43-1211.7	75-07-1073.7	
	M.No.25	38-43-1212.2	75-07-1079.5	.29
Inter. of road & road, 75 degrees	T.No.26	38-43-1592.1	75-08-26.1	
	M.No.26	38-43-1587.5	75-08-25.0	.24

Except for test point No. 25, which is a less well defined point, the remaining points are well defined. Test point No.22 was not compiled; the dwelling was not shown on the manuscript. Test Point No.24, which was not compiled, should be discarded; the traverse distance to this point is questioned in the field traverse note book and, moreover, the computed point does not check with the scaled position - an apparent error in field measurement. It may be noted that test point No. 23 has a displacement of .56 mm. The map manuscript error is less than .5 mm at the remaining test points. The horizontal accuracy of this map is about 85 %, which is slightly below the requirements of the instructions.

Correction applied bringing map accuracy requirement up to standard.

Approved by:

Ray L. Schoppe
 Ray L. Schoppe,
 Chief of Party.

Submitted by:

Charles Hanavich
 Charles Hanavich,
 Prin. Photo. Aid.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T- 8501

FAIRMOUNT, DELAWARE 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

Horizontal test applied; corrections made. *See preceding page.*

Vertical test satisfactory.

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-226	1/20000	1845
T1503	1/20000	1882
T5661	1/20000	1933

U.S.G.S. REHOBOTH 15' 1917 1/62500 (see paragraph 44 of compilation report)

T-8501 supersedes the above surveys in their common areas

Comparison with Nautical Charts Nos. 1219 1/80000 1939

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:

Survey T-8501 agrees well with the chart.

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

Buildings added and deleted according to instructions of Field Edit Party. Contours altered in the vicinity of $38^{\circ} 43' / 75^{\circ} 08'$

Reviewed 4 Jan. 1944 By W. W. Skelton
under direction of D. H. Benson *per L.T.S.*

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

Examined and approved:

[Signature]
Chief, ~~Surveys~~ Branch

[Signature]
Chief, ~~Topography~~ Section
Chief, ~~Nautical Chart~~ Branch

K.T. Adams
Chief, Div. of Charts *Photogrammetry*

[Signature]
Chief, Div. of Coastal
Surveys

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 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 woodland, refer to the published quadrangle for the finally adopted outlines.

Descriptive Report.

Filed in the Photogrammetric 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 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.

T-8501

No. 1
Decisions

Remarks

1		
2	USGB recently adopted decision for DELMARVA PEN- INSULA, thus sanctioning this spelling	Railway Guide
3		
4		
5		Road Maps
6		
7		386751
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25	1	"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8501

FLATMOUNT quadrangle

1 Name on Survey

	A	B	C	D	E	F	G	H	K	
	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		
Sussex County			✓	✓						1
Pennsylvania R.R. (Delmarva Division)			✓	✓						2
District 10 Lewes- Rehoboth Hundred			✓							3
District No. 8 Indian River Hundred			✓							4
State Highways Nos. 5, 14, 18, 24			✓	✓						5
										6
Rehoboth Bay		✓	✓	✓						7
Love Creek		✓	✓							8
Willowmer Sea Plane Base		✓	✓							9
Warrington Neck		✓	✓							10
White Oak Creek		✓	✓							11
Arnold Creek		✓	✓							12
Dorman Branch		✓	✓							13
Robinson Landing		✓	✓							14
Marshtown		✓	✓							15
Cherry Walk Creek		✓	✓							16
Angola Neck		✓	✓							17
Bookhammer Landing		✓	✓							18
Sally Burton Ponds		✓	✓							19
Horse Island		✓	✓							20
Short Marsh		✓	✓							21
Shell Landing Cove		✓	✓							22
Shell Landing		✓	✓							23
Sloan Cove		✓	✓							24
Sloan Landing		✓	✓							25
Arrowhead Pt.		✓	✓							26
Sally Cove		✓	✓							27

T-8501

No. 2
Decisions

Remarks

	Remarks	Decisions
1		386751
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		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8501

GEOGRAPHIC NAMES		Survey No. T-8501									
		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		
2	Name on Survey	A.	B.	C.	D.	E.	F.	G.	H.	K.	
	Burton Point	✓		✓							1
	Angola Landing	✓		✓							2
	The Narrows	✓		✓							3
	Lingo Cove	✓		✓							4
	Island in the Narrows	✓		✓							5
	Herring Creek	✓		✓							6
	Guinea Creek	✓		✓							7
	Wilson Marsh	✓		✓							8
	Wilson Creek	✓		✓							9
	Sheep Pen Landing	✓		✓							10
	Wilkins Point	✓		✓							11
	Hoods Island	✓		✓	(this is spelling in names report) Hoods I. on T-8501						12
	Massey Marsh	✓		✓							13
	Wolfpit Marsh			✓							14
	Wolfpit Pond	✓		✓							15
	Hazard Cove	✓		✓							16
	Black Duck Point	✓		✓							17
	Greens Landing	✓		✓							18
	Ben Robins Landing	✓		✓							19
	Old Maid Flat	✓		✓							20
	John Marsh Landing	✓		✓							21
	Pine Water Landing	✓		✓							22
	Pine Water Pine Water Neck	✓		✓							23
	Hopkins Prong	✓		✓							24
	Burton Prong	✓		✓							25
	Angola	✓		✓							26
	Sarah Run	✓		✓							27
											M 234

(this is spelling in names report) Hoods I. on T-8501

T-8501

No. 3

Remarks

Decisions

1		386751
2		"
3		"
4		"
5		"
6		" USGB
7		"
8		386752 USGB
9		" "
10		"
11		"
12		"
13		387751
14		387752 USGB
15		"
16		"
17		"
18		"
19		" (387751)
20		"
21		387751
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8501

3	Name on Survey	A.	B.	C.	D.	E.	F.	G.	H.	K.	
	Burton Pond	✓		✓							1
	Burton Pond			X							2
	Sampson Branch	✓		✓							3
	Chapel Branch	✓		✓							4
	Unity Branch	✓		✓							5
	Long Neck	✓		✓							6
	Long Neck Road			X							7
				?							
	Fairmount	✓		?							8
	Hollymount	✓		?							9
	Hollyville	✓		✓							10
	Wall Branch	✓		✓							11
	Phillips Branch	✓		✓							12
	Robinsonville	✓		✓							13
	Cool Spring Grange	✓		✓							14
	Cool Spring	✓		✓							15
	Martin Branch	✓		✓							16
	Pinetown	✓		✓							17
	Red Mill Pond	✓		✓							18
	Georgetown and Lewes Road		✓	✓							19
	Marsh Branch		✓	✓							20
	Bundicks Branch		✓	✓							21
	Gosling Creek		✓	✓							22
	Gosling Mill Pond		✓	✓							23
	Gosling Mill	✓		✓							24
				✓							
	Wilson Branch	✓		✓							25
	Jimtown	✓		✓							26
	Belltown	✓		✓							27

M 234

T-8501

Remarks

No. 4
Decisions

1		387751
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		386757
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GEOGRAPHIC NAMES

Survey No. T-8501

4

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>Five Points</u>	✓		✓						1
<u>Webb Landing</u>	✓		✓						2
<u>Fisher Landing</u>	✓		✓						3
<u>Roy Dorman Pond</u>	✓		✓						4
<u>Heady Fisher Pond</u>	✓		✓						5
<u>Heady Fisher Glade</u>	✓		✓						6
<u>Sipps Point</u>	✓		✓						7
<u>Love Creek Bridge</u>	✓		✓						8
<u>Stillman Glade</u>	✓		✓						9
<u>Rehoboth Airport (CAP)</u>	✓		✓						10
<u>Midway</u>	✓		✓						11
<u>Lewes and Rehoboth Road</u>	✓		✓						12
<u>Carpenters Corner</u>	✓		✓						13
<u>Jones Branch</u>			X	(only a little of it on this quad.)					14
<u>Wolf Glade</u>	✓		✓						15
<u>Wolf Neck</u>			X	(only base of it on this quad.)					16
<u>Pot Hook Creek</u>	✓		✓						17
<u>Marsh I</u>									18
									19
									20
									21
									22
									23
									24
									25
									26
									27

Names underlined in red approved

by L. Heck on 1/26/44