

8104

8104

8104

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic

Field No. Office No. T-8104

LOCALITY

State Delaware and Maryland

General locality Chesapeake Bay

Locality Delmar Quadrangle

N3822.5-W7530/7.5

1942

CHIEF OF PARTY

Comdr. Fred. L. Peacock

LIBRARY & ARCHIVES

DATE December 28, 1943

DATA RECORD

T- 8104

Quadrangle (II): *DELMAR*

Project No. (II):

*CS-278-B*Field Office: *Salisbury, Md.*Chief of Party: *F.L. Gallen*Compilation Office: *Baltimore*Chief of Party: *F.L. Peacock*Instructions dated (II, III): *3-4-42*

Copy filed in Descriptive

3-27-42

Report No. T- (IV):

8-13-42

Completed survey received in office:

Reported to Nautical Chart Section:

Reviewed:

Applied to chart No. date

Redrafting Completed:

Registered:

Published:

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): *Delmar Standpipe, (Del.), 1934*Lat.: *38° 27' 40.139" (1237.6m)* Long.: *75° 39' 36.383" (8821m)* Adjusted:~~Unadjusted:~~

State Plane Coordinates (IV):

X = *1,207,524.76 Feet*Y = *231,811.90 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>
8683	4-14-92	11:25 AM	1-20,000	1.3' above M. L. W.
8684	4-14-92	11:25 1/2 AM	1-20,000	1.3' " M. L. W.
8685	4-14-92	11:26 AM	1-20,000	1.3' " M. L. W.
8689	4-14-92	11:40 1/2 AM	1-20,000	1.5' " M. L. W.
8690	4-14-92	11:41 AM	1-20,000	1.5' " M. L. W.
8691	4-14-92	11:41 1/2 AM	1-20,000	1.5' " M. L. W.
8692	4-14-92	11:42 AM	1-20,000	1.5' " M. L. W.

Tide from (III): *The tide prediction table for Hampton Roads used and corrected for Salisbury, Md.*

Mean Range: 3.0 ft.

Spring Range: 3.6 ft.

Camera: (Kind or source) *U.S.C. & G.S. nine lens (focal length 8 1/4")*

Field Inspection by: *Gordon H. Wood Jr., L. G. Chambers* date:

Field Edit by: *R. D. Trace* date:

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

Projection and Grids ruled by (III): *Washington Office* date: *May 1992*

" " " checked by: *Washington Office* date: *May 1992*

Control Plotted by: *J. Steinberg* Control Checked by: *J. E. Deol Jr.* date: *June 1992*

Radial Plot by: *J. E. Deol Jr., J. Steinberg* date: *June 1992*

Detailed by: *Henry P. Eichert* date: *June July-August 1992*

Reviewed in compilation office by: *Jack L Rihn* date:

Elevations on Field Edit Sheet checked by: date:

DATA RECORD T-8104
PHOTOGRAPHS

NUMBER	DATE	TIME	SCALE	ALTITUDE	TIDE
8683	4/14/42	11:25a.m.	1:20,000	Unknown	1.3' above M. L. W.
8684	4/14/42	11:25 ¹ / ₂ a.m.	1:20,000	Unknown	1.3' above M.L.W.
8685	4/14/42	11:26a.m.	1:20,000	Unknown	1.3' above M.L.W.
8689	4/14/42	11:40 ¹ / ₂ a.m.	1:20,000	Unknown	1.5' above M.L.W.
8690	4/14/42	11:41a.m.	1:20,000	Unknown	1.5' above M.L.W.
8691	4/14/42	11:41 ¹ / ₂ a.m.	1:20,000	Unknown	1.5' above M.L.W.
8692	4/14/42	11:42a.m.	1:20,000	Unknown	1.5' above M.L.W.

The above photographs were taken with the U. S. Coast & Geodetic Survey nine lens camera, (focal length 8¹/₂").

The tide prediction table for Hampton Roads used and corrected for Salisbury, Md. Mean range 3.0'; spring range 3.6'.

GENERAL INFORMATION

Chief of Party.....Comdr. Fred. L. Peacock
Projection by.....Washington Office.....May 27, 1942
Projection Checked by.....Washington Office.....May 27, 1942
Scale Plot by.....Jack L. Rihn.....May 25, 1942
Control Plotted by.....Joseph Steinberg.....June 1, 1942
Control Checked by.....J. Edward Deal, Jr.....June 1, 1942
Radial Plot by.....J.E. Deal, Jr. & J. Steinberg.....June 3, 4, 1942
Radial Points Pricked by.....James E. Sunderland.....June 1942
Additional Points by.....J. Edward Deal, Jr.....June 1942
Field Inspection.....Lt. Comdr. Wm. D. Patterson
Detail Inked by.....Henry P. Eichert.....6/11 to 8/4/42
Shoreline Inked by.....Henry P. Eichert.....July 1942
Time Required for Detailing.....40 days

STATISTICS

Area.....58.5 sq. Statute Miles
Shoreline (More than 200 meters wide).....none
Shoreline (Less than 200 meters wide).....7 Miles

REFERENCE STATION

Delmar Standpipe, (Del.), 1934 North American Datum 1927 (adj.)
Latitude 38° 27' 40.139" (1237.6m.)
Longitude 75° 34' 36.383" (882.1m.)

DESCRIPTIVE REPORT
TO ACCOMPANY
AIR PHOTOGRAPHIC SURVEY NO. T-8104
DELAWARE & MARYLAND
DELMAR VICINITY

Date of this report

September 22, 1942

Instructions:

This rough draft map manuscript is part of the War Mapping Project CS-278, instructions for which are contained in the Director's letter dated March 4, 1942. This manuscript falls within the sub-project division 278-B, Maryland and Delaware. This $7\frac{1}{2}$ minute manuscript is known as Delmar Quadrangle and is part of the 15 minute Salisbury Quadrangle.

Supplemental instructions are contained in inter-office correspondence of March 27, June 5, and June 24, 1942.

Field Inspection:

The classification of roads and wooded areas, inspection of drainage and the determination of elevations and contours were made by War Mapping Field Party No. 1 under the direction of Lt. Comdr. Wm. D. Patterson.

Photographs:

Photographs were taken with the U. S. Coast & Geodetic Survey nine lens Camera at a scale of 1:20,000. Other 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 a scale of 1:60,000 and enlarged to a scale of 1:20,000. They were used only by the field inspection party to show the location of Bench marks, triangulation and other control. No detailing was done from the single lens photographs.

Control:

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

Delmar, (Del.), 1934
Delmar Standpipe, (Del.), 1934
Charity, (Md.), 1932
Salisbury, W.B.C.O. Radio Mast, 1942

There are three U. S. Coast & Geodetic Survey control stations that fall on the outer boundary of this manuscript, they are:

Davison, (Del.), 1934
Cooper, (Del.), 1934
Parker, (Md.), 1932

Radial Plot:

A combined radial plot involving surveys No. T-8104, T-8105, T-8106, T-8122 and T-8123 was run on June 3 and 4, 1942 by the usual celluloid template method. Surveys No. T-8106 and T-8121 which lie west of the 75° 45' meridian and are included in the Tampa Office Project were laid with this plot to establish common control.

The number of control stations permitted good intersection on the secondary control points resulting in a very good plot. The triangulation and secondary control points picked on the 1:20,000 photographs were used in cutting in additional detail points. Secondary control points are shown by double, purple circles and detail points by single purple circles on the back of the manuscript.

Wherever a control point is shown by a double green circle and a detail point by a single green circle, it indicates that the point is weak and was established by only two line intersections.

Some photographs had a slight amount of tilt. Rather than compute this tilt, the radial intersections in the center chambers were disregarded if three or more intersections were obtained without center chamber radial lines.

Hydrographic Signals:

No Hydrographic Signals appear on this survey.

Recoverable Topographic Stations:

No recoverable Topographic Stations appear on this survey.

Detail:

A scale plot was run for the entire area 278-B. Surveys No. T-8104, T-8105, T-8122, T-8123, T-8131, T-8132, T-8152 and T-8153 were run with the scale factor adjustment (1.018). This scale adjustment was a great aid in detailing as the projection scale and the photographic scale were very close.

Buildings: With the exception of small out-buildings, usually smaller than 10 meters, all discernable buildings have been shown on this manuscript.

Roads: All roads were detailed by drawing the center line. For the sake of clarity, certain road intersections were shown by double, full lines, 0.5mm in width. Roads were classified according to the Field Inspection; classification followed military specifications, plate 42-2194, Engineer Production Plant, the Army War College dated January 12, 1942.

Note: Some roads were not classified by field inspection and therefore could not be classified on a map manuscript.

Detail: (cont'd)

Wooded & Cultivated or Cleared Areas: The demarcation between wooded and cultivated or cleared areas or between wooded areas of different classification is shown by a broken line. Cleared areas within wooded areas are qualified by the symbol (CL). Wooded areas were classified according to the field inspection; classification followed military specifications. Some wooded areas not classified on the field inspection, are shown with the symbol (T).

Drainage: Drainage is detailed according to the field inspection. Perennial drainage is shown by a full line; intermittent drainage by a line broken with three dots.

State & Political District Boundaries: State boundaries are shown in accordance with the field inspection. The boundary lines are shown by a long dash and two short dashes on the back of the manuscript in blue acid ink.

Contours: Contours were shown as located by the field party at 20 foot intervals. They are shown by a full line in red acid ink on the back of the manuscript.

Comparison with Previous Surveys:

There are no previous surveys available for comparison.

Junctions:

Control points were common with Survey No. T-8103 to the East, T-8123 to the South and T-8105 to the West. Junctions with these surveys are in good agreement except for contours on Survey No. T-8123 which are shown on each survey according to field party records. There is no survey to the North of this survey.

Remarks:

All ambiguities between field inspections and any omissions or differences between the inspection and office interpretation are indicated on the discrepancy overlay. Comments and suggestions are made wherever they are considered helpful.

Horizontal Accuracy:

It is believed, that the detail as shown on this planimetric survey is well within the limits of error as defined in paragraph 54 of the instructions for War Mapping Project CS-278, dated March 4, 1942.

Recommendation for Future Surveys:

It is believed, that the detail as presented in this survey, is complete, but it is to be field edited for corrections, deletions and omissions.

Respectfully submitted,

Henry P. Eichert
Henry P. Eichert
Photogrammetric Aid

Preliminary Reviewed by,

Jack L. Rihn
Jack L. Rihn
Pr. Photogrammetric Aid

10/20/42
Approved,

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

DESCRIPTIVE REPORT TO ACCOMPANY
T-8104 (DELMAR QUADRANGLE)
Delaware - Maryland

WAR MAPPING PROJECT CS-278-B
Wm. D. Patterson, Chief of Party
Field Inspection and Field Edit Report

1. INSTRUCTIONS

This work was executed under the Director's Instructions dated March 4, 1942; Supplemental Instructions dated March 27, 1942, and August 13, 1942.

2. GENERAL DESCRIPTION OF AREA:

The topography of the area may be called old age, in that it is rather flat with sharp contours nowhere evident. A medium amount of permanent drainage is present, which is usually hemmed in by some marsh and woods. The soil is very sandy and porous.

SURVEY METHODS:

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

Wye level elevations were controlled horizontally by spotting the positions of elevations on the photographs. Both single lens and nine lens photographs were used for this purpose.

Contouring, was accomplished on the 9 lens photographs so that the horizontal position of the planetable was determined by photographic images. Since the position of the planetable could always be determined by photographic image, it was not necessary to carry planetable traverse. Orientation was accomplished by photographic image or by use of the declinoire.

FIELD INSPECTION OF AIR PHOTOGRAPHS:

The field inspection was accomplished in two parts. Control ties as mentioned in the first paragraph under survey methods consisted of the first part. Little or no other field inspection was accomplished at this time as it was necessary to furnish the Baltimore Compiling Office with Control information as soon as possible, so that scale plots and radial plots could be accomplished. The first field inspection work was done by Gordon H. Wood, Jr., Senior Engineering Aid, Single lens photographs used: 804, 806, 810, 760, 758, 756, and 754.

The second part of the field inspection was accomplished by the topographer, L. G. Chambers, Senior Photogrammetric Aid. This party classified roads, woods, buildings, landmark buildings, and cleared up indefinite detail. The final field inspection was accomplished by the field edit party, R. D. Trace, Photogrammetric Aid.

LEVELING:

Wye levels were observed along all the principal roads. This gives a coverage in the form of a rough checkerboard pattern approximately two miles square. In general, closures were less than three tenths of a foot. The necessity for reruns were governed by the following: Closures of .0 to .3 foot were not adjusted; Closures of .3 to .99 foot were adjusted, and a closure of a foot or more was considered a reject. Leveling in the quadrangle was accomplished by four parties under the direction of the following men: L. G. Chambers, Senior Photogrammetric Aid, W. A. Rasure, Senior Engineering Aid, G. H. Wood, Jr., Senior Engineering Aid, and J. R. Smith, Engineering Aid.

The level parties were composed of 4 men: instrument man, note keeper, and two rodmen. A Wye level with 12 foot rods graduated in feet and tenths was used. Elevations were taken to the nearest tenths of a foot at road intersections and to the nearest hundredths at turning points.

CONTOURING:

This sheet was contoured by L. G. Chambers, directly upon 1:20,000 9 lens photographs Nos. 8690, 8684, 8691, 8683. The work was accomplished from 5-26-42 to 6-13-42. The planetable and telescopic alidade were used. Planetable control is discussed under Survey Methods.

FIELD EDIT:

This sheet was field edited by R. D. Trace. All symbols used were according to Bulletin 788 of the U. S. G. S. and instruction dated August 12, 1942. Objects missing from the map manuscript generally were added by pacing distances.

BOUNDARIES:

Boundaries of Political Subdivisions were transferred to the map manuscript from Census Bureau maps and checked in the field. The Md.-Del. boundary was located in the field.

BUILDINGS:

All buildings were located by pacing from definite points on the map manuscript. On rare occasions when this was impossible, scaling from the photograph was necessary. All ordinary size houses were shown of standard size. Larger buildings, were paced as to size and scaled on the map manuscript. Public buildings, hospitals, schools,

churches, etc. were shown in urban areas. In rural areas, all dwellings were shown but left unclassified, while barns, chicken houses, and other buildings of a permanent nature were located and classified according to instructions.

BRIDGES:

Bridges were classified by C. C. Fryer, Senior Photogrammetric Aid.

ROADS:

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

WOODS:

The woods areas have been classified for concealment, types of trees, and density.

DRAINAGE:

Some small ditches in the area shown by the compiler, were deleted, otherwise the drainage was essentially unchanged as compiled.

MARSH AREAS:

The marsh areas were rather difficult to check because of woods and heavy brush. Some discrepancies were noted and corrected, particularly near roads.

There is no navigable waterway on this quadrangle; no landmarks for charting or non-floating aid.

POWER LINES - TELEPHONE LINES

Power Lines were taken from maps of the Eastern Shore Electric Company, and were checked in the field. R. E. A. Lines were placed on the map manuscript in the field, and checked against R. E. A. Maps.

No Telephone Lines cutting across country were noted with the exception of short lines into farmhouses and these were omitted.

GEOGRAPHIC NAMES:

Geographic names were investigated by a separate two-man party under the direction of A. J. Wraight, Photogrammetric Aid. The geographic name sheets were submitted on 15' U. S. Geological Survey Quadrangle Maps. The geographic name report for this quadrangle is included in a general report covering the entire area of project CS-278-B.

STATISTICS:

Statute Miles of Wye level line78.7
Square Statute miles of contouring59.0
Square statute miles of field edit59.0

Submitted by

Robert D. Trane
Photogrammetric Aid.

This report was written before the instructions concerning
descriptive reports were received.

This quadrangle was redrafted by K. Roche. ? *Not true!*
J.R.

The vertical accuracy test is shown in orange ink.

Approved.
J. L. Gallen
Chief of Party.

TESTS FOR HORIZONTAL ACCURACY
QUADRANGLE NO. T-8104
PROJECT 278-B

This test consists of a traverse between Triangulation Station MD.-DEL. CORNER (1932) and Triangulation Station DELMAR (1934). The traverse is 6.26 statute miles in length and contains 15 test points, 6 of which are within the boundaries of this quadrangle. The traverse closure is one part in 6,630. Since the total closing error was only 1.52 meters, no adjustment of the discrepancy was made. The test points are referred to in the computations as P. P. No. (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 & woods line 90°. Less well-defined.	P. P. No. 10	38-28- 202.5	75-37- 634.2	
	M. M. No. 10	38-28- 207	75-37- 638	.299
Inter.road & road 80°	P. P. No. 11	38-28- 190.7	75-37- 221.0	
	M. M. No. 11	38-28- 189	75-37- 221	.085
Inter.road & private drive	P. P. No. 12	38-28- 38.6	75-36-1041.4	
	M. M. No. 12	Point not compiled.		
Inter.road & private drive	P. P. No. 13	38-27-1831.9	75-36- 804.9	
	M. M. No. 13	Point not compiled		
Inter.road & woods line 80°	P. P. No. 14	38-27-1754.1	75-36- 485.3	
Less well-defined	M. M. No. 14	38-27-1766	75-36- 478.	.698
Inter. road & road 80°	P. P. No. 15	38-27-1604.1	75-35-1366.8	
	M. M. No. 15	38-27-1606.	75-35-1360.	.353

Test Points No. 10 and No. 14 should be considered points of less well-defined detail. All well-defined points tested show a map manuscript error of less than .5 mm.

Approved:
J. H. Galbraith,
Chief of Party.

Submitted by
Emil H. Kirsch.

GEOGRAPHIC NAMES LIST FOR QUADRANGLE NO. T-8104

- ✓ Andrews Branch (Haney-Branch)
- ✓ Beaverdam Creek
- ✓ Brewington Branch
- ✓ Burnt-Mill-Branch (Little Burnt Branch)
- ✓ Burnt Mill Pond
- ✓ Connelly Mill Branch
- ✓ Coty Cox Branch
- ✓ Delaware
- ✓ Delmar
- ✓ Figgs Ditch
- ✓ Five Points
- ✓ Halloway Branch
- ✓ Jackson Branch
- ✓ James Branch
- ✓ Johnson Pond
- ✓ Leonard Pond
- ✓ Leonard Pond Run
- ✓ Maryland
- ✓ Mayer Branch
- ✓ Meadow Branch
- ✓ Middle Neck
- ✓ Middle Neck Branch
- ✓ Morris Branch
- ✓ Nailers Pond
- ✓ North Prong
- ✓ Owens Branch
- ✓ Peggy Branch
- ✓ Salisbury
- ✓ Salisbury Airport
- ✓ South Prong
- ✓ St. George
- ✓ Sussex County
- ✓ Tilghman's Branch
- ✓ Vena Gains Branch
- ✓ Walston
- ✓ Ward Branch
- ✓ Wheeling Branch
- ✓ Wicomico County
- ✓ Wicomico River
- ✓ Wicomico State Game Farm
- ✓ Williams Pond
- ✓ Woods Creek

870
IN REPLY ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

AND REFER TO NO:

826-RCR

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

December 2, 1942

To: Commander Frederic L. Peacock,
U. S. Coast and Geodetic Survey,
601-613 Gorsuch Avenue,
Baltimore, Maryland.

From: The Director,
U. S. Coast and Geodetic Survey.

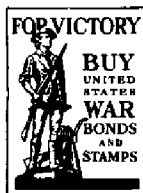
Subject: Office Review of Quadrangle Number T-8104, Project 278-B.

The office review of T-8104 has indicated a number of errors in drainage and contours. These are relatively minor but are being called to the attention of the Photogrammetric Offices and the Field Parties so that similar errors will be avoided in the future.

The following data on quadrangle T-8104 are being forwarded to you under separate cover by registered mail. After examination in your office please forward this material to Commander F. L. Gallen who will in turn forward it to Commander Kenneth G. Crosby. Commander Kenneth G. Crosby will return the data to this office after it has been examined in his office and by Lieutenant Lawrence W. Swanson. The material should be examined and returned as soon as practicable so that the office work on this quadrangle can progress.

Celluloid Manuscript of T-8104
Field Edit Sheet
Discrepancy Overlay
Descriptive Report
Field Inspection Photographs Numbers
8683, 8684, 8690 and 8691

The places found in error on the quadrangle have been circled in green pencil on the field edit sheet and numbered for reference to numbered paragraphs in this letter. The celluloid manuscript has been corrected in this office but the details as shown on the original manuscript are visible in red on the field edit sheet.



Reference No. 1

The field inspection shows the contour but not the stream line (photograph 8691). In compiling this section the stereoscope was evidently not used. The stream was drawn across a small ridge without reference to the contour. No note was made on the discrepancy overlay. The error was not noted by the field edit party.

Reference No. 2

The field inspection showed the contour but not the stream line. The contour is sketched incorrectly on the photograph since it does not follow the stream. The compiler has shown the stream correctly but failed to correct the contour sketching and left the stream crossing the contour. No note was made on the discrepancy overlay and the error was not noted by field edit. Below point 3 the compiler drew the contour inside the marsh line.

Reference No. 3

The field inspection showed the contour (photograph 8691) but did not show stream lines. The stream forks here. The photogrammetric office compiled the right fork correctly and the field edit has added the left fork of the stream and corrected the limit of the marsh. Both the photogrammetric office and the field edit ignored the fact that the contour crosses the right fork of the stream on almost a straight line. Below point 3 the compiler has drawn the contour inside the edge of the marsh. Much of the area shown as marsh just below point 3 appears to be wooded. The field notes are not clear as to whether this should be mapped as marsh or wooded swamp.

Reference No. 4

The field inspection showed the contours and swamp limits on photograph 8691 but did not show the stream. The photogrammetric office compiled the stream correctly and compiled the contour as shown on the field photograph. The marsh limits were compiled outside the limits of the contour. This is unlikely and the marsh has been deleted outside of the contour. The photograph indicates that part of the marsh should have been shown as wooded swamp.

Reference No. 5

The elevation shown on field photograph is 30 feet and not 50 feet.

Reference No.s 6 to 11

These are all cases where the error is not great but where the contours were drawn on top the stream, or crossed the stream at an unnatural angle.

Reference No. 12

The elevation is ~~40 feet and not 60 feet.~~

This quadrangle has been in the office for about one month. It is regretted that it was not reviewed and forwarded to the field sooner. While the errors noted above occur more frequently on this quadrangle than on others, similar errors have been noted on several of the quadrangles submitted to date.

In general it would seem preferable that the contour party sketch the stream lines on the photographs as well as the contours. This would assist the office compiling. However, it must be understood in the photogrammetric offices that the field parties are not always equipped to make a detailed stereoscope examination. Therefore, the compilation of streams should always be checked under the stereoscope in the photogrammetric offices to correct minor errors in shape and position.

Most of the errors indicated above could have been corrected readily during the office compilation without violating the principle that the contouring is primarily a field prerogative. In contouring on the photographs in the field the facilities for detailed sketching are limited and it is to be expected that minor corrections to the details of stream lines and contours will be necessary during the compiling. This quadrangle seems to indicate that the photogrammetric offices hesitate to make any changes whatever in the contour lines as laid down by the field. While the contouring is essentially a field job, common sense corrections to minor details should be made without hesitancy in the photogrammetric offices and it is expected that this will be done. Large corrections should be noted on the discrepancy overlay for verification by the field edit.

The woodland overlay for the final drafting in this office has not been made up of quadrangle 8104 but from a casual examination of the photographs it would appear that a number of long arms of marsh shown on the quadrangle are covered with brush and trees. In such cases a limiting line shall be shown to indicate where the marsh symbol is to stop and the wooded swamp symbol begin.

Comdr. F. L. Peacock

-4-

December 2, 1942

Aside from the question of this particular quadrangle, it is noted that fences not to be shown on the finished map are generally deleted with green crosses. Since most such fences are not to be shown, it is suggested that it would be easier to show a note on the field edit sheet stating that all fences are to be deleted unless specifically noted otherwise.

L. O. Polbert.

Director.

Copy To: Lieut. Comdr. F. L. Gallen
Lieut. Comdr. Kenneth G. Crosby
Lieut. Lawrence W. Swanson

Copy retained for files by Baltimore Field Office

T-8104

No. 2

Remarks

Decisions

1		383755
2	Two Separate names. Beaverdam Creek USGB decision 11/27/42- - - -	" 383756
3		383755
4		"
5		383756
6		382758
7	Name OK but feature not included on this quad.	383755
8		"
9	Not neck of land: name applies to scattered settlement along road west of Five Points.	"
10		"
11		"
12		383756
13		"
14		"
15		"
16		384755
17		"
18		385755
19		384755
20	Decision 11/27/42	" USGB
21		385755
22		384755
23		"
24		384755
25	Name OK but feature not shown on this quad.: it is a small stream to northward, next west of James Branch, north border of sheet.	"
26		"
27		384755

GEOGRAPHIC NAMES

Survey No. T-8104

DELMAR quadrangle:

No. 1

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A,	B,	C,	D	E	F	G	H	K	
Walston									1
Five Points Beaverdam Creek									2
Middle Neck Branch									3
Brewington Branch									4
Johnson Pond									5
Wicomico River									6
Perdue Creek									7
Salisbury Airport									8
Middle Neck									9
(scattered settlement.)									
Peggy Branch									10
Halloway Branch									11
Salisbury									12
Coty Cox Branch									13
Owens Branch									14
Wicomico State Game Farm									15
Delmar									16
Leonard Pond									17
James Branch									18
St. George									19
Little Burnt Branch									20
Meadow Branch									21
Nailers Pond									22
Morris Branch									23
Ward Branch									24
Jimmy Hill Branch									25
Vena Gains Branch									26
Figgs Ditch									27

T-8104

No. 2

Remarks

Decisions

1		384755
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11	To north of limits of this quad.	385755
12	Decision 11/27/42	384756 USGB
13		385756
14		
15		
16		Railway Guide
17		"
18		
19		Wicomion Co. Map
20		"
21		"
22		
23		Road Maps
24		"
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8104

No. 2

Name on Survey

	A	B	C	D	E	F	G	H	K	
✓ Tilghman Branch ✓										1
✓ Andrews Branch ✓										2
✓ Williams Pond ✓										3
✓ North Prong ✓										4
✓ South Prong ✓										5
✓ Jackson Branch ✓										6
✓ Leonard Pond Run ✓										7
✓ Woods Creek ✓										8
✓ Connelly Mill Branch ✓										9
✓ Mayer Branch ✓										10
✓ Bacoons ✓										11
✓ Burnt Mill Pond ✓										12
✓ Wheeling Branch ✓										13
✓ Wicomico County ✓										14
✓ Sussex County ✓										15
✓ Pennsylvania R.R. ✓										16
✓ Baltimore and Eastern R.R. ✓										17
Political subdivisions										18
✓ Parsons No. 4 ✓										19
✓ Delmar No. 11 ✓										20
✓ Salisbury No. 9 ✓										21
(divisions in Delaware not yet available)										22
✓ U.S. No. 13 ✓										23
✓ U.S. No. 213 ✓										24
										25
										26
										27

DIVISION OF CHARTS

SURVEYS BRANCH

Review of Air Photographic Survey T-8104
(Delmar 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 surveys 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 by planetable 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 manuscript was compiled at the scale of 1:20,000 and includes information of interest to this Bureau, not all of which was shown on the printed quadrangle. For this reason and in order to preserve field data, the field edit copy is filed with a cloth back copy of the printed quadrangle.

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

Contemporary Hydrographic Surveys

None

Comparison with Previous Topographic Surveys

T-4708	1:5,000	1932
T-4709	1:10,000	1932

T-8104 has been compared with the above surveys and supersedes the sections thereof that it covers.

Comparison with Nautical Charts 567 and 1224

T-8104 has not been applied to these charts and numerous small differences exist.

Comparison with Published Quadrangles

"Salisbury"	1:62,500	U.S.G.S. 1901
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T-8104 is adequate to supersede this quadrangle throughout the area thereof that it covers, except for the 10, 30, and 50 foot contour lines.

Junction with the "Seaford" quadrangle (1:62,500) U.S.G.S., 1915, could not be made. The position of detail as shown on T-8104 is accepted as the most probable.

Radial Plot and Detailing

No revision of the radial plot was necessary. Numerous additions and corrections to drainage and contour lines were necessary. These corrections were applied during the course of the office review and are discussed in the letter to Commander Peacock dated December 2, 1942, a copy of which is attached to this report. These changes are not incorporated on the 1:20,000 scale print on file, but are included on the printed copy of the quadrangle.

(field edit sheet)

Reviewed under direction of D. H. Benson

Inspected by R. M. Berry and B. J. Jones

Robert W. Knapp
Chief, Surveys Branch

K. T. Adams
Chief, Section of Topography

J. B. Borden
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Surveys