

8126

8126

Form 504 Rev. June 1941	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
<i>Air Photographic</i> Rubber Table Hydrographic	Survey No. T-8126 (Field)
MARYLAND BERLIN QUADRANGLE N 3815-7507.5/7.5	
LOCALITY	
State Maryland	
General locality Eastern Shore (Chesapeake Bay, Md.)	
Locality Berlin (Ocean City)	
1942	
CHIEF OF PARTY F. L. Gallen Fred. L. Peacock	

DATA RECORD

T- 8126

78126

Quadrangle (II): Berlin
N 3815-W 7507.5/7.5

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

Field Office: Salisbury, Md. Chief of Party: F.L. Callen

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

Instructions dated (II III): March 4, 42 Copy filed in Descriptive
March 27, 42 Report No. T- (VI)
Aug. 13, 42

Completed survey received in office: 11-6-42

Reported to Nautical Chart Section: 11-7-42

Reviewed: 3-26-43 Applied to chart No. Date:

Redrafting Completed: 7/1/43

Registered: ~~11-6-44~~ 1/10/45

Published: 1-19-44

Compilation Scale: $1:20,000 \times .984 = 1:19,680$ Published Scale: 1:31,680

Scale Factor (III): 1.016

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

Reference Station (III): Berlin, 1932, 1934

Lat.: $38^{\circ} 19' 37.818''$ (1166.0m) Long.: $75^{\circ} 13' 39.524''$ (960.0m) Adjusted-----
Unadjusted

State Plane Coordinates (VI):

Maryland Single Zone

X = 1,308,429.32 ft. ✓

Y = 184,779.67 ft. ✓

Military Grid Zone (VI) A

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
*8733 - 8737 incl	4/14/42	12:58 -13:05	1:20,000	.4 below MLW
*8745 -8749 "	4/14/42	13:19 -13:23	"	.2 below MLW
*8750 - 8752 "	4/14/42	13:27 -13:29	"	.3 below MLW
*8773	4/14/42	14:09	"	.3 above MLW
**1-275 to 1-277 incl	unknown	unknown	Enlarged from 1:60,000 to 1:20,000	unknown
**2-262	"	"		"
**2-263	"	"		"
**2-264	"	"		"
**3-243	"	"		"
**3-245 to 3-348 incl	"	"		"

Tide from (III): predicted tables for Sandy Hook, N.J., Time correction to Ocean City, Md.

Mean Range: 3.4' Spring Range: 4.1'

Camera: (Kind or source) USC & GS nine-lens camera (8 1/4")
Commercial contract with special single lens aerial camera (4")

Field Inspection by: John R. Evans date:spring '42

Field Edit by:Wendell Bever date: Nov. '42

Date of Mean High-Water Line Location (III): April 14, 1942

Projection and Grids ruled by (III)Washington office date: July 7, 1942

" " " checked by:Washington office date:July 7, 1942

Control plotted by:Wm. Van Loon date: July 18, 1942

Control checked by:J Edward Deal Jr. date: July 21, 1942

Radial Plot by:J. Edward Deal Jr., J. Steinberg date:

Detailed by: A.C. Bauck Jr. date:Aug. & Sept 1942

Reviewed in compilation office by:Henry P. Eicher date:

Elevations on Field Edit Sheet
checked by: Salibury office date: Nov. 1942

STATISTICS (III)

Land Area (Sq. Statute Miles):	53.0
Shoreline (More than 200 meters to opposite shore):	15.0
Shoreline (Less than 200 meters to opposite shore):	5.2
Number of Recoverable Topographic Stations established:	one
Number of Temporary Hydrographic Stations located by radial plot:	eighteen
Leveling (to control contours) - miles:	54.0

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
AIR PHOTOGRAPHIC SURVEY MANUSCRIPT NO. T-8126
EASTERN SHORE, CHESAPEAKE BAY.
BERLIN, MD.

Date of this Report.

September 26, 1942

This rough draft map manuscript is part of War Mapping Project CS-278 and is included within sub-project division CS-278-B. The map manuscript covers the $7\frac{1}{2}$ minute Berlin Quadrangle and is part of the 15 minute Ocean City Quadrangle.

INSTRUCTIONS:

Instructions for this project are contained in the Director's letter dated March 4, 1942. Supplemental instructions are contained in inter-office correspondence dated March 27; June 5, 24; August 13; and September 4, 1942.

FIELD INSPECTION:

Roads and woods classifications, elevations, drainage, contours and shoreline were done by War Mapping Field Party No. 1 under the supervision of Lieut. Comdr. Wm. D. Patterson.

PHOTOGRAPHS:

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

CONTROL:

There are six U. S. Coast & Geodetic Survey and three Maryland Shell Fish Survey Triangulation Stations that fall within the limits of this map manuscript. They are:

U. S. C. & G. S. Triangulation Stations

High School Cupola, 1942
Berlin, 1932
Berlin Stack, 1942
Berlin Stand Pipe, 1932
Ellpow Eccentric, 1929
Fassett, 1908, 1929, 1932

MARYLAND SHELL FISH TRINAGULATION STATIONS

M. S. F. Nelly's, 1908
F. I. S. Nelly's, 1908
M. S. F. Longwell's Windmill, 1908

CONTROL: (cont'd)

There are six U. S. Coast & Geodetic Survey triangulation stations and one M. S. F. S. Triangulation station that fall outside the detailed limits of this map manuscript and were used as supplementary control. They are:

Holston,	1942
Neck,	1907
Mud, R. M.	1933
Keyser,	1934
Buffington Windmill,	1908
South,	1933
M.S.F.S. Sanpoi,	1908

RADIAL PLOT:

A combined radial plot covering Surveys Nos. T-8100, T-8101, T-8126, and T-8127 was run on June 3, 4, 1942, by the usual celluloid template method. There was ample control in the area of the plot and good intersections on secondary control points were obtained. The plot was then matched and joined with the adjoining plot to the west.

RECOVERABLE HYDROGRAPHIC OR TOPOGRAPHIC STATIONS:

There is one recoverable hydrographic signal within the detailed limits of this map manuscript, namely McCabe Chimney, for which Form No. 524 is submitted herewith. Its geographic position was scaled from the map manuscript, using correction for scale factor.

In addition to the above, eighteen suitable points have been pricked by the compiler on the photographs and radially plotted on the map manuscript for future use as hydrographic signal sites. The descriptions of these points appear on the discrepancy overlay.

DETAIL:

This map manuscript was compiled before the field inspection of the area was fully completed.

To facilitate detailing from the photographs, a scale plot was run for the entire area included by sub-project CS-278-B. Details concerning this scale plot are included in a separate report previously submitted.

Buildings: All buildings which could be seen on the photographs have been shown with the exception of small out-buildings and those marked for deletion by the field inspection. Buildings found to be superfluous in the course of the field edit can be deleted at that time.

Roads: All roads were detailed by showing the center line only, with the exception of roads in and around the immediate vicinity of Berlin, Md. which were double lined. Roads were classified according to field inspection, which was done in accordance with military specifications, Plate No. 42-2194, Engineer Production Plant, Army War College, Washington, D. C., dated January 12, 1942. Where no classification of roads was given on field inspection, a proper note has been made on the discrepancy overlay.

DETAIL: (cont'd)

Wooded and Cultivated or Cleared Areas: Demarcation between wooded and other areas was shown by a long dash line. All clearings within wooded areas were marked with the symbol "CL". There was very little field inspection covering wooded areas at the time of this report. Therefore, areas apparently different in type from adjoining wooded areas were outlined and marked with a "T" to indicate that further field inspection is desirable. All other areas which were not classified by field inspection, were marked with the same symbol. A note on the north border of this map manuscript under "General Notes", explains that such areas should be investigated during field edit.

Drainage: Drainage has been located and classified according to the field inspection. Where drainage was found by stereoscopic examination of the photographs, and was not classified by the field inspection, it was shown by a dash-dot-dash line, indicating that it should be further field inspected for proper classification.

Shoreline, shoal, and marsh areas: The high water line is indicated by a full heavy line; marsh lines and the limits of navigation are indicated by a light full line.

The inner boundaries of marsh areas have been indicated by a broken line, wherever such boundaries have been shown by field inspection. In cases where the inner boundaries were omitted by the field inspection, the area was examined under the stereoscope and the marsh symbol inserted to the evident limits, omitting the broken line. In some areas, the marsh areas were bounded by wooded areas, and the broken line of the wooded area was shown. Appropriate notes have been put on the discrepancy overlay to this effect.

Political Boundaries: No political boundaries were included on the field inspection.

COMPARISON WITH PREVIOUS SURVEYS:

Comparison was made with Chart 1220. Because of scale difference, no accurate comparison could be made, although the general shoreline appears to be in good general agreement with the shoreline on the chart.

It was found that there had been three previous surveys covering parts of this map manuscript, namely Nos. T-263, T-2895, and T-4797. Since copies of these surveys were not available to the compilation office, no comparisons could be made.

JUNCTIONS:

Junction was made on the North with Survey No. T-8101, on the East with Survey No. T-8127, on the South with Survey No. T-8128, and on the West with Survey No. T-8125. These junctions were found to be very satisfactory.

GEOGRAPHIC NAMES:

No geographic name investigation data for this manuscript were forwarded to the compilation office by the field inspection party. However, the geographic names appearing on the 15 minute U. S. G. S. Ocean City Quadrangle, of which this 7½ minute quadrangle is a part, have been compiled below in alphabetical order.

*Army Camp Decatur
Atlantic Ocean
Ayer Creek ✓
Bassett Creek ✓
Beaverdam Creek ✓
Berlin ✓
~~Friendship~~ ✓
Germantown ✓
~~Grays Corner~~ ✓
Grays Inlet ✓
Herring Creek ✓
Holland Creek ✓
Hollygrove ✓
Ironshire ✓
Jones
Manklin Creek ✓
Newport Creek ✓
**St. Martin
~~Sinepuxent~~
Sinepuxent Bay ✓
Taylorville ✓
Trappe Creek ✓
Turville Creek ✓

*This name does not appear on the 15'00" Ocean City Quadrangle, but, it was given by field inspection on nine lens photograph No. 8747.

**There is some discrepancy concerning this name. St. Martin appears on the 15'00" Ocean City Quadrangle, but field inspection on nine lens photograph No. 8745 gives the name of St. Martins. *USGVS decision*

REMARKS:

All notes as to apparent differences between the field inspection and office interpretation, have been made on the discrepancy overlay. Notes recommending further field inspection or additional information have been included also.

HORIZONTAL ACCURACY:

Horizontal accuracy of the positions of points of well-defined detail is believed to be within the limits as set forth in instructions for Project GS-278, paragraph 54, dated March 4, 1942.

RECOMMENDATIONS FOR FUTURE SURVEYS:

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

Respectfully submitted,

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.
Asst. Photogrammetric Aid

Reviewed by,

Henry P. Eichert
Henry P. Eichert
Photogrammetric Aid

and

Carl W. A. Supp
Carl W. A. Supp
Jr. Topographic Engineer

Approved, 11/13/42

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

FIELD EDIT REPORT
Quadrangle T-8126
Project CS-278-B
F.L. Gallen, Chief of Party

1. The area included within this quadrangle is evenly distributed between cultivated and heavily wooded areas. Some marshland is present along Newport Bay and the drainages into this bay. The land is comparatively flat with maximum elevations of 43 feet.
14. Roads are classified as required by the instructions.
15. Bridge classification was carried out by a two man party in charge of C.L. Fryer, Senior Photogrammetrist Aid, and according to instructions.
16. Buildings are classified as required by the instructions.
17. Political boundaries were obtained from maps issued by the Maryland State Roads Commission and were verified in the field.
18. Geographic Names: Refer to Geographic Names Report for Project CS-~~278~~²⁷⁹-B. ✓
46. Field edit consisted of visual inspection of the area. Where necessary taped distances were used in location. All additions, deletions, and corrections were made on the map manuscript and transferred to the smooth copy after the field work had been accomplished.

The inking on field edit sheet was done in accordance with the following scheme.

Features	Colors
Additions, elevations, beacons, lights, and classification-----	Black
Water Culture-----	Blue
Deletions-----	Green
Political Boundaries-----	Purple

47. The location of the detail is believed to be accurate and complete.
48. For horizontal accuracy tests refer to Sheets T-8100 and T-8101.

For vertical accuracy tests refer to Sheet 8101.

Submitted by

Wendell Bever
Wendell Bever,
Photogrammetric Aid

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

TO BE CHARTED
TO BE CHARTED } STRIKE OUT ONE
TO BE CHARTED

**LANDMARKS FOR CHARTS
PERMANENT AIDS TO
NAVIGATION
SALTBOURY, Md.**

Nov. 16, 1942

I recommend that the following objects which have ~~(been removed)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(the chart from)~~ the charts indicated.

The positions given have been checked after listing. ✓ J.H.

J. F. Walker.

R. L. Gallison

Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

GEOGRAPHIC NAMES LIST FOR T-8126

- | | |
|--|--------------------------|
| ✓ Assateague Island | ✓ Sandy Point |
| ✓ Ayer Creek | ✓ Sandy Cove |
| ✓ Ayer Island | ✓ Shorts Landing |
| ✓ Bassett Creek | ✓ Sinepuxent Bay |
| ✓ Bassett Mill Pond | ✓ Taylorville |
| ✓ Bat Creek | ✓ Trappe Creek |
| ✓ Beaverdam Creek | ✓ Trappe Mill Pond |
| ✓ Berlin | Wright Branch |
| ✓ Battle Branch | ✓ Tuxesburg Branch |
| ✓ Buddy Pond | ✓ Turville Creek |
| ✓ Catbird Creek | ✓ Turville Neck |
| ✓ Chesapeake and Atlantic Railroad | ✓ Upper Sinepuxent Neck |
| Coffin Creek | ✓ Wallops Neck |
| ✓ Cropper Neck | ✓ Wrights Pond |
| ✓ Deals Branch | |
| ✓ Bassett Point | |
| ✓ Germantown | |
| ✓ Gibbs Pond | |
| ✓ Golden Quarters Neck | |
| ✓ Grays Cove | |
| ✓ Grays Creek | |
| ✓ Grays Point | |
| ✓ Greys Inlet | |
| ✓ Herring Creek | |
| ✓ Herring Gut | |
| ✓ Holland Creek | |
| ✓ Hollygrove | |
| ✓ Hollygrove Swamp | |
| ✓ Horse Island | |
| ✓ Hudson Branch | |
| ✓ Ironshire | |
| ✓ Jake Gut | |
| ✓ Jenkins Creek | |
| ✓ Jones | |
| ✓ Kitte Branch | |
| ✓ Lower Sinepuxent Neck | |
| ✓ Manklin Creek | |
| ✓ Mid Creek | |
| ✓ Newport Bay | |
| ✓ Moccasin Pond | |
| ✓ Newport Creek | |
| Newport Neck | |
| ✓ Orchard Creek | |
| ✓ Perch Gut | |
| ✓ Peters Neck | |
| ✓ Phila. Wilm. & Balt. R. R. (Del. Md. & Va. Branch) | |
| ✓ Poplartown Branch | |
| ✓ St. Martin | |

NAMES SHOWN ON GEOGRAPHIC NAMES REPORT
NOT SHOWN ON COMPILATION

= Coffins Creek
- Newport Neck
= Truitt's Branch

T-8126

No. 1

Remarks

Decisions

1		382750-51
2	Recent decision	379752-53 USGB
3		382750-51
4		" USGB
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17	Not on compilation	"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		382752
27		"
M 234		

GEOGRAPHIC NAMES

Survey No. T-8126

BERLIN 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	
<u>Sinepuxent Bay</u> ✓									1
<u>Assateague Island</u> ✓									2
<u>Sandy Point</u> ✓									3
<u>Fassett Point</u> ✓									4
<u>Ayer Creek</u> ✓									5
<u>Trappe Creek</u> ✓									6
<u>Holland Creek</u> ✓									7
<u>Greys Inlet</u> ✓									8
<u>Newport Creek</u> ✓									9
<u>Gibbs Pond</u> ✓									10
<u>Lower Sinepuxent Neck</u> ✓									11
<u>Sandy Cove</u> ✓									12
<u>Grays Point</u> ✓									13
<u>Grays Creek</u> ✓									14
<u>Grays Cove</u> ✓									15
<u>Bat Creek</u> ✓									16
<u>Coffins Creek</u> ✓									17
<u>Golden Quarters Neck</u> ✓									18
<u>Deals Branch</u> ✓									19
<u>Herring Gut</u> ✓									20
<u>Newport Neck</u> ✓									21
<u>Orchard Creek</u> ✓									22
<u>Wrights Pond</u> ✓									23
<u>Ayer Island</u> ✓									24
<u>Buddy Pond</u> ✓									25
<u>Newport Bay</u> ✓									26
<u>Bassett Creek</u> ✓									27

T-8126

No. 2

Remarks.

Decisions

1		382752
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		383751
12		"
13		" USCB
14		" "
15		" "
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"
M 234		

GEOGRAPHIC NAMES

Survey No. T-8126

No. 2

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A,	B,	C,	D	E	F	G	H	K	
Ironshire ✓									1
Beaverdam Creek ✓									2
Goody Hill Branch ✓									3
Catbird Creek ✓									4
Wallops Neck ✓									5
Peters Neck ✓									6
Bassett Mill Pond ✓									7
Cropper Neck ✓									8
Tukesburg Branch ✓									9
Poplartown Branch ✓									10
Hollygrove ✓									11
Herring Creek ✓									12
Turville Creek ✓									13
Manklin Creek ✓									14
Taylorville ✓									15
Mud Creek ✓									16
Horse Island ✓									17
Moccasin Pond ✓									18
Jake Gut ✓									19
Upper Sinepuxent Neck ✓									20
Jenkins Creek ✓									21
Turville Neck ✓									22
Perch Gut ✓									23
Hollygrove Swamp ✓									24
Shorts Landing ✓									25
Trappe Mill Pond ✓									26
Kitts Branch ✓									27

GEOGRAPHIC NAMES

Survey No. T-8126

No. 3

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A,	B,	C,	D,	E,	F,	G,	H,	K	
Bottle Branch ✓									1
Berlin ✓									2
Germanatown ✓									3
St. Martin ✓									4
Hudson Branch ✓									5
Truitt Branch ✓									6
Baltimore and Eastern Railway									7
Worcester County ✓									8
Pennsylvania R.R. (Delaware, Maryland and Virginia Branch)									9
Jones ✓									10
Political subdivisions:									11
West Berlin No. 9 ✓									12
East Berlin No. 3 ✓									13
Newark No. 4 ✓									14
U.S. No. 113									15
U.S. No. 213									16
State Highway No. 374									17
State Highway No. 376									18
									19
									20
									21
									22
									23
									24
									25
									26
									27

Heck on 1/29/43

T-8126

No. 3

Remarks.

Decisions

1		383751
2		383752
3		"
4		" USGB
5		"
6	Not on compilation?	"
7		Railway Guide
8		
9		Railway Guide
10		383751
11		
12		Worcester Co. Map 1935
13		"
14		
15		Road Maps
16		"
17		"
18		"
19		
20		
21		
22		
23		
24		
25		
26		
27		
NI 234		

RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault

Cloth-mounted copy of the published quadrangle.

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

Descriptive Report.

Filed in the Photogrammetric Section - Surveys Branch

Field inspection photographs.

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

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Reviewing Unit.

Supplementary traverse and level records.

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

Reproduction proof.

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

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

Copies of specifications and all instructions to field parties and field offices.

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

Special report on field work by Commander K. T. Adams, 1944.

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L. Gallen, 1944.

Season's report on field work by Commander R. L. Schoppe, 1944.

Delivered to the Army Map Service in accordance with the contract

Film negatives and film positives of the color separation drawings.

All color separation drawings.

Original celluloid manuscript.

A correction sheet consisting of a copy of the first edition of the quadrangle with notes in red indicating changes desirable at the next printing.

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

This quadrangle, together with similar adjoining maps produced under Project C.S278-B, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000. (This photography was supplemented by the use of single-lens photographs.) Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs.

Contouring by planetable directly on the photographs. Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, drive-ways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Compilation on the map manuscripts by radial plot methods (celluloid hand templates) of all planimetry and contours. These manuscripts were drawn on the scale of 1:20,000 on celluloid sheets on which polyconic projections had been ruled with the Projection Ruling Machine in the Washington Office. Compilation was accomplished in the Baltimore ~~Temp~~ Photogrammetric Office.

FIELD EDIT

Comparison of a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8126

BERLIN QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy - See the Descriptive Report for T-8101 for a copy of the closest horizontal accuracy test comparisons. This test was accepted as satisfactory. The closest vertical accuracy test was performed on T-8101 on the field edit sheet in orange ink. This test shows the original field work to be adequate.

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-263	1:20,000	1850
T-264	1:20,000	1850
T-299	1:20,000	1850
T-2895	1:20,000	1908
T-4797	1:20,000	1933

T-8126 does not supersede the low water line shown on T-2895.

"Ocean City" 1:62,500 1901 U.S.G.S.

Comparison with Nautical Charts Nos. 1220

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

Only small differences in shoreline exist.

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

Only minor corrections were necessary.

Reviewed 3/26/43 By J. L. Riker
under direction of D. H. Benson *D.H.B.*

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

Examined and approved:

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NAUTICAL CHARTS BRANCH

SURVEY NO. *T-8126*

Record of Application to Charts

[illegible]

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.