

8127

8127

Form 504 Rev. June 1941	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
<i>Air Photographic</i> Planimetric Hydrographic	Survey No. <u>T-8127</u> (Field)
MARYLAND OCEAN CITY QUADRANGLE N3815 - W7500/7.5	
LOCALITY	
State <u>Maryland</u>	
General locality <u>Chesapeake Bay</u>	
Locality <u>Ocean City</u>	
1942	
CHIEF OF PARTY F. L. Gallen and Fred. L. Peacock	

DATA RECORD

T- 8127

Quadrangle (II): ~~Keyser Ocean City~~
N3815-W7500/75

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

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

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

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

Completed survey received in office: 10/28/42

Reported to Nautical Chart Section: 10/42

Reviewed: 2/1/43 Applied to chart No. Date:

Redrafting Completed: 4-1-43

Registered: 12/29/42 1/17/45 Published: 7/16/43

Compilation Scale: $1:20000 \times 0.984 = 1:19,680$.984 Published Scale: 1:31,680

Scale Factor (III): 1.016

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

Reference Station (III): Keyser, 1934

Lat.: 38 22 10.22 (315.1m) Long.: $75^{\circ}07'01.78''$ (43.2m)

Long.: ~~75 07 01.78 (1413.3m)~~

Adjusted ----
Unadjusted

State Plane Coordinates (VI): ~~To be added later.~~
Maryland State coordinate system (single zone)

X = 2,539,801.28

Y = 200,827.73

P.R.

Military Grid Zone (VI) "A"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
*8750 to 8752	4/14/42	1:28 PM to 1:30 PM	1:20,000	.2 below MLW
*8771	4/14/42	2:10 PM	1:20,000	.3 above MLW
3770	4/14/42	2:12 PM	1:20,000	.3 above MLW
**1-271 to 1-273	unknown	unknown	enlarged from 1:60,000	unknown
**1-275	"	"	to 1:20,000	"
**2-261	"	"	"	"
**2-263 to 2-264	"	"	"	"

Tide from (III): Predicted tables for Sandy Hook N.J. Time Correction to Ocean City, Maryland

Mean Range: 3.4 feet Spring Range: 4.1 feet

Camera: (Kind or source) USC & GS nine lens camera (3 1/4" focal length)
Commercial contract with special single lens aerial mapping camera
(4" focal length)

Field Inspection by: John R. Evans date: Spring, 1942

Field Edit by: Wendell Bever date: Nov., 1942

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

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

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

Control plotted by: J. Edward Deal Jr. date: June 1, 1942

Control checked by: Joseph Steinberg date: June 1, 1942

Radial Plot by: J.E. Deal & J. Steinberg date: June 3, 4, 1942

Detailed by: Henry L. Spaulding date: Aug. 17, 1942 to Oct. 1942

Reviewed in compilation office by: Carl W.A. Supp Oct. 5, 42 to Oct. 10, 42
Charles C. Tropp date: Oct. 22, 42 to Oct. 24, 42

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

STATISTICS (III)

Land Area (Sq. Statute Miles):	7.6
● Shoreline (More than 200 meters to opposite shore):	35.0
Shoreline (Less than 200 meters to opposite shore):	8.0
● Number of Recoverable Topographic Stations established:	seven
Number of Temporary Hydrographic Stations located by radial plot:	none
Leveling (to control contours) - miles:	3.0

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:

DATA RECORD, SURVEY T-8127

PHOTOGRAPHS:

NUMBER	DATE	TIME	SCALE	ALTITUDE	STAGE OF TIDE
*8750 to 8752	4/14/42	1:28p.m. to 1:30p.m.	1:20,000	Unknown	.2 below M. L. W.
*8771	4/14/42	2:10p.m.	1:20,000	Unknown	.3 above M. L. W.
*8770	4/14/42	2:12p.m.	1:20,000	Unknown	.3 above M. L. W.
**1-271 to 1-273	Unknown	Unknown	1:60,000 Enlarged to 1:20,000	Unknown	Unknown
**1-175	Unknown	Unknown	"	Unknown	Unknown
**2-261	Unknown	Unknown	"	Unknown	Unknown
**2-263 to 2-264	Unknown	Unknown	"	Unknown	Unknown

CAMERAS: *U. S. Coast & Geodetic Survey, nine lens, (focal length $8\frac{1}{4}"$).
Negatives are on file at Washington.

**Single lens camera, focal length 4", commercial contract lens used.

TIDE: Tide stages were computed from predicted tables for Ocean City, Maryland.

GENERAL INFORMATION:

Chief of Party.....Fred. L. Peacock
Projection by.....Ruling Machine....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.....J. Edward Deal, Jr.....June 1, 1942
Control Checked by.....Joseph Steinberg.....June 1, 1942
Radial plot by.....J. E. Deal & J. Steinberg.....June 3, 4, 1942
Radial Points Pricked by.....Joseph Steinberg.....June, 1942
Additional Radial Points by.....J. Edward Deal, Jr.....Aug. 12, 15, 1942
Field Inspection by War Mapping Party No. 1, Lieut. Comdr. Wm. D. Patterson
in charge.....Spring, 1942
Shoreline Inked by.....Harry L. Spaulding.....8/17 to 9/31/42
Detail Inked by.....Harry L. Spaulding.....8/17 to 10/42
Scale.....1:20,000 x .9846=1:19,680
Preliminary Review by.....Carl W. A. Supp.....10/5 to 10/10/42
Charles C. Tropp.....10/22 to 10/24/42
Time Required for Detailing.....18 Working days

STATISTICS:

Area (land).....7.6 Sq. Statute Miles
Shoreline (Over 200 meters from opposite shore).....35 Statute Miles
Shoreline (Less than 200 meters from opposite shore).....8 Statute Miles

REFERENCE STATION:

Keyser, 1934

North American Datum 1927 (adj.)

(unadjusted)

Latitude	38° 22'	10.22	315.1m	(1534.9m)
Longitude	75° 07'	01.78	43.2m	(1413.3m)

DESCRIPTIVE REPORT
TO ACCOMPANY
AIR PHOTOGRAPHIC SURVEY NO. T-8127
MARYLAND
OCEAN CITY

Date of this Report

September 10, 1942

This rough draft map manuscript is part of War Mapping Project CS-278 and is within sub-project division CS-278-B. The map manuscript covers the 7½ minute Ocean City Quadrangle and is part of the 15 minute Ocean City Quadrangle.

INSTRUCTIONS:

The 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, and June 5 and 24, 1942.

FIELD INSPECTION:

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

PHOTOGRAPHS:

Photographs were taken by the U. S. Coast & Geodetic Survey nine lens camera (focal length 8¼") to an approximate scale of 1:20,000. Additional single lens photographs were taken by a commercial firm using a special single 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 triangulation stations within the limits of this survey. They are:

Ocean City Water Tank, Md., 1909-1932
Water tank, Md., 1932
South 2, 1933
Buffington Windmill 1908
Keyser, 1934
House No. 1, Chimney, 1929

RADIAL PLOT:

A combined plot covering rough draft map manuscripts Nos. T-8100, T-8101, T-8126 and T-8127 was run on June 3 and 4, 1942 by the usual celluloid template method. There was ample control in the area of the plot and good intersections of secondary control points were obtained. It is considered that the resulting plot was satisfactory.

RECOVERABLE HYDROGRAPHIC OR TOPOGRAPHIC STATIONS:

There are seven such stations which appear on this map manuscript. They are:

RECOVERABLE HYDROGRAPHIC OR TOPOGRAPHIC STATIONS: (cont'd)

Hastings Windmill
Coffin Point Windmill
Lee
Front Range
Rear Range
Gas
Coast Guard Lookout Tower

The locations of these points have been scaled and form 524 for each is submitted with this map manuscript.

DETAIL:

This map manuscript has been compiled before any extensive field inspection in this area was furnished the compilation office.

To facilitate detailing a scale plot was run for the entire area included by Project CS-278-B.

Buildings: In rural areas, all dwellings, industrial buildings, and large farm buildings have been individually shown on the map manuscript. Small out-buildings and temporary buildings such as sheds, garages, shacks, and small barns have been omitted according to the instructions for this project dated March 4, 1942. In cases where the character of buildings could not be clearly distinguished on the photographs and they had not been field inspected, the buildings were shown. It is probable that in the course of the field edit some of these buildings will be found to be superfluous, and it is recommended that they be deleted at that time.

Roads: All roads were detailed by showing the center line only, except in Ocean City where the streets are drawn to scale. In cases of complicated or unusual road intersections where the center lines alone would not give sufficient information, the intersections were detailed using two full lines 0.5mm apart. Roads were classified according to the field inspection, which in turn followed military specifications, Plate 42-2194, Engineer Reproduction Plant, the Army War College, dated January 12, 1942.

Wooded & Cultivated or Cleared Areas: Such areas were incompletely field inspected at the time this map manuscript was compiled. All wooded areas not classified by field inspection are indicated by placing the letter "T" within the area. Demarcation between wooded and other areas, or between wooded areas of different characteristics, is shown by a long dash line. Clearings are identified by the letters "CL". In addition to areas marked with a "T", other areas requiring further field inspection or investigation are noted on the discrepancy overlay.

Drainage: There was no field inspection on drainage. Streams and large ditches have been indicated by a solid line (Perennial drainage.) Other smaller ditches have been indicated by the intermittent stream symbol. These have been noted on the discrepancy overlay and should be checked at the time of field edit. In the absence of field inspection, the stereoscope was used wherever possible in interpreting drainage.

DETAIL: (cont'd)

Shoreline, Shoal & Marsh Areas: The high water line is indicated by a full heavy line; marsh lines or limits of navigation have been indicated by a light full line. The inner boundaries of marsh areas have been indicated by a broken line whenever the area was field inspected. Where field inspection was lacking, the photographs of the area were examined stereoscopically, and the marsh limits are indicated by the extent of the marsh symbol. Appropriate notes on the discrepancy overlay have been made. These marsh areas should be thoroughly field edited in view of the fact that the extent of the marsh areas is in some cases very indeterminate.

Political Boundaries: No political boundaries are shown on the field inspection records for this survey. *Added by field edit party.*

COMPARISON WITH PREVIOUS SURVEYS:

Comparison was made with Chart 1220. Due to scale differences, no accurate comparison could be made; although the general configuration of the shoreline seems to be in good agreement.

JUNCTIONS:

On the West: This survey and survey No. T-8131 adjoining to the west have common control points in the vicinity of their respective boundaries. Detailing of survey No. 8131 is not completed at this time and no junction could be made. *Checked in office OK.*

On the North: Control points for this survey and survey No. T-8101 adjoining to the north are common in the vicinity of their respective boundaries. The junction between the two surveys is satisfactory.

On the South & East: Bounded by the Atlantic Ocean.

REMARKS:

All apparent differences between the field inspection and office interpretation have been noted on the discrepancy overlay.

HORIZONTAL ACCURACY:

It is believed that well-defined points of planimetric detail are located within the limits of error as contained in Paragraph 54 of instructions for War Mapping Project CS-278, 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,

Harry L. Spaulding
Harry L. Spaulding
Photogrammetric Aid

Reviewed,

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

Approved, 10/16/42

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-8127
Project CS-278-B
F.L. Gallen, Chief of Party

1. The land area of this quadrangle consists of the islands Assateague and Fenwick, and a small part of the mainland. The outer shore of the islands is sand with many dunes. These dunes often exceed 20 feet in elevation but are unstable, shifting both vertically and horizontally. The inner shore of the islands is marshy area similar to the outer shore of the mainland proper. Wooded areas and cultivated land is equally present on the mainland.
6. Due to the instability and the small size of the sand dunes those exceeding 20 feet in elevation were not shown by contours.
11. The picking card submitted for the Ocean City Inlet Rear Range Light should be corrected. The station was relocated in the field by planetable and taped distances. The true position of the station falls 8 meters due south of the old position.

The vertical clearance and width of span is given for the channel "The Thoroughfare" located under the new Ocean City Bridge near the mainland. No draw in the bridge spans the channel, however small boats make use of the channel.

14. Roads are classified according to instructions.
15. The old Ocean City Bridge is closed to traffic. At a later date this bridge is to be razed.
16. Buildings are classified according to 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-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 the field edit sheet was done in accordance with the following schemes.

Features	Colors
Additions, elevations, beacons, lights, and classifications-----	black
Water culture-----	blue
Deletions-----	green
Political boundaries-----	purple

By means of a hand level 4 elevations were spotted on sand dunes on Assateague Island. As these dunes are very unstable shifting both vertically and horizontally, the elevation shown will not hold true over a long period of time.

47. For horizontal accuracy tests refer to Sheets 8100 and T-8101.

As no ground elevations exceeded 20 feet, vertical accuracy tests were not necessary.

Submitted by

Wendell Bever
Wendell Bever
Photogrammetric Aid

Approved by *Charles H. Haverich for*
F.E. Gallen, Chief of Party

GEOGRAPHIC NAMES LIST FOR T-8127

Aleck Pond
Assateague Island
Blake Island
Coffins Point
Collier Island
Dog & Bitch Island
Drum Island
Drum Point
Fenwick Island
Grassy Island
Horn Island
Horse Island
Isle of Wight Bay
Jenkins Creek
Keyser Point
Ocean City C.G.S.
~~Martin Creek~~
Moccasin Pond
Ocean City
Ocean City Inlet
Octopus Pond
Rosinbarrel Slough
Sinepuxent Bay
The Ditch
The Thoroughfare
Turville Neck
Upper Sinepuxent Neck
Wire Pond

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYTO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

LANDMARKS FOR CHARTS

PERMANENT AIDS TO NAVIGATION

Selisbury, Maryland Nov., 26, 1942, 19

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing. - C.H.

Charles H. Hansen for

GENERAL LOCALITY		NAME AND DESCRIPTION		POSITION					METHOD OF LOCATION	DATE OF LOCATION	CHARTS AFFECTED			
				LATITUDE		LONGITUDE		DATUM			HARBOR CHART	INSHORE CHART	OFFSHORE CHART	
				° ' "	D. M. METERS	° ' "	D. P. METERS							
Ocean City, Maryland		ISLE OF WIGHT LIGHT "5"		38 21	1510	75 05	559	N.A. 1927	Plane table	1942		X		1220
		ISLE OF WIGHT BEACON "4"		38 21	933	75 05	450	N.A. 1927	"	"		X		1220
		ISLE OF WIGHT BEACON "3"		38 21	236	75 05	425	"	"	"		X		1220
		ISLE OF WIGHT LIGHT "2"		38 20	919	75 05	196	"	"	"		X		1220
		OCEAN CITY RANGE FRONT LIGHT		38 19	1196	75 05	1414	"	"	"		X		1220
		OCEAN CITY RANGE REAR LIGHT		38 19	1263	75 06	130	"	"	"		X		1220
		SINEPUXENT BAY BEACON "4"		38 19	672	75 06	297	"	"	"		X		1220
		SINEPUXENT BAY LIGHT "5"		38 19	62	75 06	708	"	"	"		X		1220
		SINEPUXENT BAY BEACON "6"		38 18	1269	75 06	1016	"	"	"		X		1220
		SINEPUXENT BAY LIGHT "8"		38 18	216	75 06	1357	"	"	"		X		1220
		SINEPUXENT BAY BEACON "10"		38 17	1782	75 07	215	"	"	"		X		1220
		SINEPUXENT BAY LIGHT "11"		38 17	1262	75 07	691	"	"	"		X		1220
		AZIMUTH OF ENTRANCE RANGE "		292° 30'	True									

Chief of Party.

F. L. Gellen.

F. L. Gellen, Chief of Party.

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.

*Positions above
compute nearest to 291° 50' 21" 1943*

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-8127 Chart Letter 603-1942

LANDMARKS FOR CHARTS

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

Salisbury, Maryland

I recommend that the following objects which have ~~(#####)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~GENCOAT 111111~~ the charts indicated.

The positions given have been checked after listing.

Charles Harnisch for

F.L. Gallen

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.

LANDMARKS FOR CHARTS

chart letter - 603-1942

~~TO BE DELETED~~
~~TO BE DELETED~~

Nov. 18, 1942

The positions given have been checked after listing. — C.H.

F.L. GALLON

Chief of Party.

U. S. GOVERNMENT PRINTING OFFICE: 10-27889-7

Remarks.

Decisions

1	Application of this name so far north has been referred to USGB: apply pending its decision	379752-53
2		382750-51
3		383750-51
4		383750
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15	Old Board decision, but no indication of just where it applies: apply pending decision of Board	384750 USGB
16	This is Shute Island on several 1939 USE blue-prints: referred to USGB but apply Blake Island	383750
17	pending its decision	"
18		383751
19		"
20		"
21		"
22	Not Thoroughfare	"
23		"
24	This name should be applied as its mouth is inside Keyser Point	" USGB
25	Doubtful if this name should appear on this sheet as feature is not shown on compilation	"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8127

OCEAN CITY quadrangle

No. 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

Assateague Island ✓

1

Sinepuxent Bay ✓

2

Upper Sinepuxent Neck ✓

3

Coffins Point ✓

4

Ocean City ✓

5

Ocean City Inlet ✓

6

Ocean City Coast Guard Station ✓

7

Rosinbarrel Slough ✓

8

Drum Point ✓

9

Drum Island ✓

10

Dog and Bitch Islands ✓

11

Collier Islands ✓

12

Grassy Island ✓

13

Isle of Wight Bay ✓

14

Fenwick Island ✓

15

Blake Island ✓

16

Horn Island ✓

17

Wire Pond ✓

18

Octopus Pond ✓

19

Aleck Pond ✓

20

The Ditch ✓

21

The Thorefare ✓

22

Keyser Point ✓

23

Turville Creek ✓

24

Moccasin Pond ✓

25

Horse Island ✓

26

Jenkins Creek ✓

27

T-8127

Remarks.

No. 2
Decisions

1	Name OK but doubtful if any part of feature is on this sheet	3837511
2	Shown on several USE blueprints of 1939: applies to island south of Blake/Shute Island, line 16 of No. 1.	383750
3	Powell Island on several USE blueprints of 1939, applying to small island or marsh west of north end of Blake/Shute Island: compilation tends to show all three of these islands as a single feature.	"
4		Railway Guide
5		
6		
7		
8		From Md. Geol. Survey Worcester Co. Map of 1935
9		
10	St. Martin's on county map but in view of usage of St. Martin on USGS "Ocean City" quad. (1901-38), as well as USGB decision for St. Martin (town) apply St. Martin for district.	
11		
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M 234		

GEOGRAPHIC NAMES

Survey No. T-8127

No. 2

Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Turville Neck</u>	in T-8126									1
<u>Yacht Club Island</u>										2
<u>Powell Island</u>										3
<u>Baltimore and Eastern</u> ✓	(BR)									4
										5
										6
<u>Political subdivisions</u>										7
<u>No. 10 Ocean City</u> ✓										8
<u>No. 3 East Berlin</u> ✓										9
<u>No. 5 St. Martin</u> ✓										10
										11
										12
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										27

Names underlined in red 10/20/21
by L. Heck 02/12/42

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.

Original celluloid manuscript.

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

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

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

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

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

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

Delivered to the Army Map Service in accordance with the contract

Film negatives and film positives of the color separation drawings.

All color separation drawings.

~~Original celluloid manuscript.~~

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

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.

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 ~~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.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8127

OCEAN CITY 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-8100 for a copy of the closest horizontal accuracy test comparisons. This test was accepted as satisfactory. Inasmuch as no contours are shown (the entire area of this quadrangle is less than 20 ft. above mean-sea-level) no vertical accuracy test was required.

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-299	1:20,000	1850
T-263	1:20,000	1877
T-2895	1:20,000	1908
T-4467	1:20,000	1929
"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:

The new highway bridge to Ocean City and a new harbor on the mainland opposite Ocean City are not shown on chart 1220 and should be applied immediately. No other immediate corrections are necessary.

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

Only changes of a minor nature were necessary on this map manuscript.

This map has received revision to aids to navigation, and shoreline data. (Project Ph-57(49)A. Field inspection, May-Sept. 1951). #5 12 Dec. 1951.

Reviewed 2/1/43

By

Ralph Moore Berry

under direction of D. H. Benson *DHB*

Inspected by B. G. Jones

B. G. Jones

Examined and approved:

Robert W. King
Chief, Surveys Branch

K.T. Adams
Chief, Topography Section

J. S. Borden
Chief, Div. of Charts

G. W. Rude
Chief, Div. of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. 8127

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.