8100

8100

8100

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic

Field No. ..... Office No. T-8100

LOCALITY

State Maryland & Delaware

General locality Chesapeake Bay, Md.

Locality Assawoman Bay Quadrangle

N38-22-30W75-00-00/7.5

1942

CHIEF OF PARTY

Lt. Comdr. F. L. Gallen

~~Commander Fred. L. Peacock~~

LIBRARY & ARCHIVES

DATE December 28, 1943

8-1870-1 (1)

Form T-1

DATA RECORD

T- 8100

Quadrangle (II): Assawoman Bay 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): Mar. 4, Mar. 27, Aug. 13, 1942. Copy filed in Descriptive Report No. T- (VI)

Completed survey received in office: ✓

Reported to Nautical Chart Section: ✓

Reviewed: 3/5/43 Applied to chart No. Date:

Redrafting Completed:

Registered: Published:

Compilation Scale: 1:20,000 Published Scale:

Scale Factor (III): Unity

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

Reference Station (III): GREY 1934

Lat.: 38° 26' 07.15" (220.5m) Long.: 75° 05' 40.29" (977.2m) ~~Adjusted~~ Unadjusted

State Plane Coordinates (VI):
Maryland coordinate system, single zone

X = Y =

Delaware coordinate system, single zone
x =
y =

Military Grid Zone (VI) "A"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
8752	4/14/42	1:30 P.M.	1:20,000	0.3' below MWL
8753	"	1:31 P.M.	"	"
8754	"	1:32 P.M.	"	"
8756	"	2:02 P.M.	"	At mean low water
1-266 to 1-271 incl.	unknown	unknown	1:20,000	

Tide from (III): Fenwick Island Light, Delaware

Mean Range: 3.7 Spring Range: 4.5

Camera: (Kind or source) U.S.C. & G.S. 9 lens and commercial contract camera

Field Inspection by: J. R. Evans date: June 1942

Field Edit by: J. R. Evans date: Oct. 1942

Date of Mean High-Water Line Location (III):
4/18/42

Projection and Grids ruled by (III) Washington date: May 27,1942.

" " " checked by: Washington date: May 27, 1942.

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

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

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

Detailed by: Charles C. Tropp date: Aug. 17-31, 1942.

Reviewed in compilation office by: date:

Elevations on Field Edit Sheet checked by:
D. Barnes, K. Roche date: Oct.1942

STATISTICS (III)

Land Area (Sq. Statute Miles): 17 Sq. statute miles

Shoreline (More than 200 meters to opposite shore): 62 miles

Shoreline (Less than 200 meters to opposite shore): 17.5 miles

Number of Recoverable Topographic Stations established: 3

Number of Temporary Hydrographic Stations located by radial plot: none

Leveling (to control contours) - miles: 15 miles

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 T-8100
PHOTOGRAPHS

NUMBER	DATE	TIME	SCALE	*STAGE OF TIDE
**8752	April 14, '42	1:30p.m.	1:20,000	0.3' below M. L. W.
**8753	April 14, '42	1:31p.m.	1:20,000	0.3' below M. L. W.
**8754	April 14, '42	1:32p.m.	1:20,000	0.3' below M. L. W.
**8767	April 14, '42	2:02p.m.	1:20,000	At Mean Low Water
***1-266 to 1-271 inc.	Unknown	Unknown	1:20,000	----------

*Tide from predicted tables, Sandy Hook, N. J. reference station with time difference for Fenwick Id. Light, Delaware.

Mean Range 3.7', Spring Range 4.5'.

**Cameras: U. S. Coast & Geodetic Survey, nine lens, Focal Length 8¼".

***Single lens camera Focal Length 4", commercial contract.

Negatives of nine lens photographs on file in the Washington Office.

SUPPLEMENTAL SURVEYS

Field Inspected by Party of Lieut. Comdr. Wm. D. Patterson.

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.....J.Edward Deal,Jr.....June 1, 1942
Control Checked by.....Joseph Steinberg.....June 1, 1942
Radial Plot by.....J.Edward Deal,Jr.....June3,4, 1942
Joseph Steinberg.....June3,4, 1942
Radial Points Pricked by.....James E. Sumderland.....June, 1942
Additional Radial Points by.....Charles C. Tropp.....Aug.12 to 15, 1942
Shoreline Inked by.....Charles C. Tropp.....Aug.17 to 31, 1942
Detail Inked by.....Charles C. Tropp.....Aug.17 to 31, 1942
Scale.....1:20,000 x 0.9840 = 1:19,680
Time Required for Detailing.....15½ work days

STATISTICS

Area.....17 Sq. Statute Miles
Shoreline (more than 200m. wide).....62 miles
Shoreline (less than 200m. wide).....17½ miles

REFERENCE STATION

Grey, 1934 — 1927 North American Datum (~~adj.~~ unadj.

Latitude	38° 26'	07.15"	220.5m.
Longitude	75° 05'	40.29"	977.2m.

DESCRIPTIVE REPORT
TO ACCOMPANY
AIR PHOTOGRAPHIC SURVEY MANUSCRIPT NO. T-8100
MARYLAND & DELAWARE
ASSOWOMAN BAY

Date of Report August 31, 1942

INSTRUCTIONS:

This rough draft map manuscript is part of War Mapping Project CS-278, instructions for which are contained in the Director's letter dated March 4, 1942. The map manuscript falls within sub-project 278B covering project area east of the 75° 45' meridian and north of the 38° 30' parallel. Supplemental instructions are contained in inter-office correspondence of March 27 and June 5, and 24, 1942.

FIELD INSPECTION:

Roads classification, elevations, and shoreline by Field Party under the supervision of Lieut. Comdr. Wm. D. Patterson.

PHOTOGRAPHS:

See Data Record, Page 1.

CONTROL:

There are eight U. S. Coast & Geodetic Survey control stations within the limits of this map manuscript:

Fenwick Island Lighthouse, Del., 1909, ~~1932~~ ✓
Grey, 1934 Life Saving Sta. Tower
Isle of Wight, ~~Coast Guard~~, 1909, ~~1934~~ ✓
Fenwick Island Life Saving Station Tower, 1909
Bennet's East Chimney, 1909
Island, Del. 1909, MSFS ✓
South Hammock, 1909 (R.M. No.3)
Miller Creek 2, 1929

Two control stations outside the limits of this map manuscript were also used, namely:

Photo Point 1, Traverse Station "X"
Photo Point 6, Traverse Station "N"

These points are listed under the Horizontal accuracy test at the back of this report.

RADIAL PLOT:

A radial plot covering rough draft map manuscripts No. 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 of secondary control points were obtained. The plot was then matched with the adjoining plot to the west.

HYDROGRAPHIC SIGNALS:

None appear on this map manuscript.

RECOVERABLE TOPOGRAPHIC STATIONS:

Three recoverable topographic stations appear on the map manuscript they are:

"DIB", "JON", "DEL. MD. Line Monument."

RECOVERABLE TOPOGRAPHIC STATIONS: (cont'd)

Descriptions on forms 524 are submitted herewith. Positions were scaled from the map manuscript using correction for scale factor. It is suggested, that when prints to final scale are made, the scaling of these positions be checked.

DETAIL:

This map manuscript has been compiled before any extensive field inspection in this area.

A scale plot was run for the entire area 278B to facilitate detailing.

Buildings: All buildings which could be seen on the photographs have been shown with the exception of small out-buildings.

Roads: All roads were detailed by showing the center line. Roads were classified according to the field inspection; which was done in accordance with specifications, plate 42-2194, Engineer Production Plant, Army War College, dated January 12, 1942.

Wooded & Cultivated or Cleared Areas: Demarcation between wooded and other areas is shown by a broken line. Small clearings within wooded areas are qualified by the symbol "CL".

Very little field inspection of wooded areas was on hand at the time of this report. Unclassified wooded areas are indicated by the symbol "T". A note on the discrepancy overlay has been made suggesting that these areas be investigated at the time of the field edit.

Drainage: As there was no field inspection on drainage, streams and large ditches have been indicated by a solid line (Perennial drainage) although some of this drainage may be intermittant and should be investigated at the time of the field edit.

Shoreline, Shoal & Marsh Areas: The high water line is indicated by a full heavy line, marsh lines or the limits of ~~navigation~~ vegetation are indicated by a light full line.

The inner boundaries of marsh areas have been indicated by a broken line whenever the field inspection included this. Wherever the inner marsh boundaries were omitted in the field inspection, the area was examined under the stereoscope and the marsh symbol inserted to the evident limits, omitting the dashed line.

Appropriate notes on the discrepancy overlay have been made to this effect.

Political Boundaries: No polical boundaries were included on the field inspection. (Added by Field Edit party)

COMPARISON WITH PREVIOUS SURVEYS:

Comparison was made with Chart 1220. Due to scale difference, no

COMPARISON WITH PREVIOUS SURVEYS: (cont'd)
accurate comparison could be made although the general configuration of the shoreline seems to be in good agreement.

JUNCTIONS:

On the South, Junction was made with No. T-8127 and found in good agreement.

On the West, No. T-8101 has not been completed and no junction was made.

On the North, there is no survey at this time.

On the East, is the Atlantic Ocean.

GEOGRAPHIC NAMES:

None were on hand for this map manuscript.

REMARKS:

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

HORIZONTAL ACCURACY:

Horizontal accuracy is believed to be within the limits as set forth in instructions for Project CS-278, paragraph 54, dated March 4, 1942.

RECOMMENDATIONS FOR FUTURE SURVEYS:

The detail as presented is believed to be complete but is subject to field edit for corrections and omissions.

Respectfully submitted,

Charles C. Tropp
Charles C. Tropp
Sr. Photogrammetric Aide

Reviewed by,

Carl W. A. Supp
Carl W. A. Supp
Sr. Photogrammetric Aide

Approved 9/16/42

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
T-8100
Project CS-278-B
F. L.Gallen, Chief of Party

18. Geographic names were taken from the special report CS-278-B submitted by A. J. Wraight, Photogrammetric Aid.

46. All additions, deletions and corrections were made on the map manuscript in the field and transferred to a smooth copy in the office after completion of the field work.

The inking on the field edit maps was done in accordance with the following scheme:

Feature	Color
Additions, bench marks wye level elevations, crosses	Black
Deletions	Green
Drainage features	Blue

47. The position and completeness of detail appears to be good. There being only minor additions necessary upon field inspection.

48. A horizontal accuracy traverse was run in Quads T-8100 and T-8101. No contours appear on this sheet, thereby eliminating the necessity of a vertical accuracy check. Maximum elevation was found to be 25 feet (top of shifting sand dune).

Submitted by

John R. Evans

John R. Evans,
Junior Topographic Engineer

Approved by

E. H. Kersch for

F. L. Gallen,
Chief of Party

TESTS FOR HORIZONTAL ACCURACY
QUADRANGLE NO. T-8100
PROJECT 278 -B

This test consists of a traverse from triangulation station FENWICK ISLAND (1932) to point X. The traverse was then back run over the same hubs to the starting point. The total length of the traverse, one way, is 6.09 statute miles. There is also a short spur, which was run only one way. The closure of the loop was .677 meters or 1 in 29,000. No adjustment was made. Tape No. 3442 was used on the forward run and tape No. 3447 was used on the back run.

The primary purpose of this traverse was to furnish the compiling office with two control points. The geographic position of traverse points N and X were furnished to the compiling office, and the other points were retained for test points. Nine other test points are available for test purpose, eight of which are within the boundaries of this quadrangle. 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 M. M. No.

TABULATION OF TEST POINTS

Description of Point	Test Point Number	Lat.	Long.	Difference in mm.
Inter. road & private rd. 60°	P.P. No. 1	38-27-1444.9	75-04-1230.1	
	M.M. No. 1	38-27-1445.1	75-04-1239.1	.451
Inter. road & road 50°	P.P. No. 2	38-27-1647.4	75-05- 196.5	
	M.M. No. 2	38-27-1660.6	75-05- 204.7	.777
Inter.road & road 60°	P.P. No. 3	38-28- 445.7	75-05-1008.2	
	M.M. No. 3	38-28- 459.5	75-05-1014.0	.748
Inter. road & road 90°	P.P. No. 4	38-28- 614.8	75-05-1372.4	
	M.M. No. 4	38-28- 619.6	75-05-1385.2	.670
Inter.road & road 80°	P.P. No. 5	38-28- 454.1	75-06-1255.1	
	M.M. No. 5	38-28- 460.8	75-06-1258.0	.365
Control Point T.T. "N"	P.P. No. 6	38-27-1382.8	75-07-1092.6	
	M.M. No. 6			
Inter. road & tree line Less well-defined	P.P. No. 7	38-28-1395.9	75-07- 103.8	
	M.M. No. 7	38-28-1403.2	75-07- 114.2	.635
Inter road & road 60°	P.P. No. 8	38-29- 400.3	75-07- 152.0	
	M.M. No. 8	38-29- 400.9	75-07- 157.9	.297

TABULATION OF TEST POINTS - T-8100
(continued)

Description of Point	Test Point Number	Lat.	Long.	Difference in mm.
Inter. road & private road 90°	P. P. No. 9	38-29- 791.6	75-07- 566.1	
	M. M. No. 9	38-29- 793.4	75-07- 580.0	.703

Test point No. 7 should be considered as a less well-defined point. Of the seven other well-defined points, only three satisfy the instructions. Forty three percent of the well-defined points tested indicate a map manuscript error of less than .5 mm. The test points do not show an error of more than 0.2 to 0.3 mm in excess of the specifications and the quadrangle is accepted as sufficiently accurate without revision. BGG

(P.S.) for publication on scale of 1/31680
D.H.B.

Submitted by

Emil H. Kirsch

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

Approved

F. L. Gallen

F. L. Gallen
Chief of Party

GEOGRAPHIC NAMES LIST FOR T-8100

Assawoman Bay
Back Creek
Bayville
Bayville Gut
Bennett Point
Big Island
Boar Island
Cedar Point
Cherrybush Island
Conch Point
Corn Hammock
Corn Hammock
Daisy Marsh
Devil Island
Dirickson Neck
Dirickson Creek
Double Pond
Drum Creek
Drum Point
Drum Point
Evans Creek
Fenwick Island L.H.
Fenwick Island C.G.S.
Goose Creek
Goose Pond
Goose Pond
Greys Creek
Greys Neck
Haystack Pond
Hills Island
Horse Island
Isle of Wight
Isle of Wight Bay
Isle of Wight C.G.S.
Jenkins Point
Joes Gut
Johns Hammock
Laws Point
Lighthouse Cove
Little Assawoman Bay
Lone Cedar Point
Marsh Island
Marsh Narrows
Maryland Beach
Miller Creek
Miller Neck
Oak Island
Old Inlet Point
Oyster Pond
Peeks Creek
Piney Island
Point of Cedars
Point of Ridge
Poplar Point
Porpoise Pond
Reedy Island (two)
Rich Island
Roy Creek
St. Martins Neck
St. Martin River
Seal Island
Smokehouse Cove
Stallion Island
South Hammocks
Swan Gut
Swan Point
Sussex County
The Ditch
The Narrows
Tubbs Cove
Worcester County
Wight Point

Form 567
(Rev. April 1942)

DEPARTMENT COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-9100

LANDMARKS FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE
~~TO BE DELETED~~ }

Onancock, Va. Jan. 11, 1943

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.

Letter 231 (1943)

F. L. Gallen *Chief of Party.*

GENERAL LOCALITY Ocean City, Md.

NAME AND DESCRIPTION	POSITION						DATUM	METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	LATITUDE			LONGITUDE									
	°	′	D. M. METERS	°	′	D. P. METERS							
*TOWER							N.A.	Triangu-					
(~~Fenwick Id. L.S.S.Tower~~)	38	28	958.4	75	03	95.9	1927	lation	1909		x		1220
*CUPOLA									1909				
(~~Isle of Wight C.G.~~)	38	24	368.5	75	03	836.4	"	"	1934		x		1220

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.

U. S. GOVERNMENT PRINTING OFFICE 16—27869-1

Form 567
Rev. March 1935

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T- 8100

TO BE CHARTED
TO ~~BE DELETED~~ } STRIKE OUT ONE

~~LANDMARKS FOR CHARTS~~
Permanent Aids to Navigation
Salisbury, Maryland November 19, 1943

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.

C. H. Knoche for.
F. L. Gallen, Chief of Party
Chief of Party.

GENERAL LOCALITY Ocean City, Maryland	POSITION					METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
NAME AND DESCRIPTION	LATITUDE		LONGITUDE		DATUM						
	° ′	D. M. METERS	° ′	D. P. METERS							
Fenwick Island Lighthouse (△ Fenwick Island Lighthouse Del)	38 27	138.1	75 03	465.2	N.A. 1927	Triangulation	1909		x		1220
		34		11⁶							

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

U. S. GOVERNMENT PRINTING OFFICE

T-8100

No. 1

	Remarks	Decisions
1		383750
2		"
3		"
4		"
5		383751
6		"
7		"
8		"
9		"
10		"
11		"
12		384750
13		"
14		"
15		"
16		"
17		"
18	Name ok: apparently no longer exists (?)	"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

M 234

GEOGRAPHIC NAMES

Survey No. T-8100

ASSAWOMAN BAY quadrangle

No. 1 Name on Survey	On Chart No. A,	On previous survey No. B.	On U. S. quadrangle Maps C,	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Isle of Wight Bay										1
Reedy Island (in Isle of Wight Bay										2
Swan Point										3
Wight Point										4
Cedar Point										5
Haystack Pond T-8104										6
Jenkins Point										7
St. Martin River										8
Poplar Point										9
Isle of Wight										10
Smokehouse Cove										11
Assawoman Bay										12
Drum Point (to south)										13
Devil Island										14
Isle of Wight Coast Guard Station										15
Horse Island (northeast part of Assawoman Bay)										16
South Hammocks										17
Piney Island										18
Corn Hammock (to eastward)										19
Porpoise Pond										20
Oyster Pond										21
Big Island										22
Johns Hammock										23
Rich Island										24
Reedy Island (in north end Assawoman Bay										25
Oak Island										26
Roy Creek										27

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T-8100

No. 2

	Remarks	Decisions
1		384750
2		"
3		" USGB
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		" USGB
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24	Recent decision: outer cost, Ocean City Inlet to lat. 38 30'.	" USGB
25		"
26		"
27		"

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GEOGRAPHIC NAMES

Survey No. T-8100

No. 2

Name on Survey	On Chart No. A,	On previous survey No. B,	On U. S. quadrangle Maps C,	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
The Ditch										1
Lone Cedar Point										2
Fenwick Island Lighthouse										3
Lighthouse Cove										4
Old Inlet Point										5
Drum Point (to north										6
Seal Island										7
Point of Ridge										8
Tubbs Cove										9
Point of Cedars										10
Bayville										11
Conch Point										12
Little Assawoman Bay										13
Fenwick Island Coast Guard Station										14
Cherrybush Island										15
Dirickson Creek										16
Laws Point										17
Stallion Island										18
Bennett Point										19
Daisy Marsh										20
The Narrows										21
Goose Pond (to north)										22
Miller Neck										23
Fenwick Island										24
Maryland Beach										25
Marsh Island										26
Marsh Narrows										27

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T-8100

No. 3

	Remarks.	Decisions
1		384750
2		"
3		"
4		"
5		"
6		"
7		384751
8		"
9		384750 USGB
10		384751
11		"
12		"
13		"
14		"
15		"
16	Not on this sheet.	"
17		"
18		"
19		
20		
21		Worcester Co. Map, 1935
22		"
23		Road Maps
24		384751
25		Road Maps
26		"
27		

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GEOGRAPHIC NAMES

Survey No. T-8100

No. 3

	Name on Survey	A. On Chart No.	B. On previous survey No.	C. On U. S. quadrangle Maps	D. From local information	E. On local Maps	F. P. O. Guide or Map	G. Rand McNally Atlas	H. U. S. Light List	K.	
	Drume Creek										1
	Double Pond										2
	Dirickson Neck										3
	Bayville Gut										4
	Joes Gut										5
	Miller Creek										6
	Evans Creek										7
	Swan Gut										8
	Greys Creek										9
	Back Creek										10
	Corn Hammock (to westward)										11
	Boar Island										12
	Hills Island										13
	Peeks Creek										14
	Goose Pond (to southward)										15
	Carey Branch										16
	Greys Neck										17
	St. Martin Neck										18
	Worcester County										19
	Sussex County										20
	St. Martin No. 5										21
	Ocean City No. 10										22
Md.	State Highway No. 437										23
	Goose Creek										24
	Md. Highway No. 528 (along outer beach to join Delaware 14)										25
	Del. Highway No. 14						L Heck		1/29/43		26
											27

M 234

DIVISION OF CHARTS

SURVEYS BRANCH

Review of Air Photographic Survey T-8100
(Assawoman Bay Quadrangle) March, 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: No contours are shown on T-8100. The ground elevation exceeds 20 feet on top of some sand dunes around the Atlantic Ocean shore of Fenwick Island, but these were not considered sufficiently permanent to merit indication by contours.

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 a special report.

WASHINGTON OFFICE

6. Review: Following the field edit the maps were reviewed in the Washington Office as regards conformance to specifications and to prepare them for smooth drafting.

7. Drafting and reproduction: Smooth color separation drawings were made on metal-mounted blue lines and the quadrangles were printed from these drawings.

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

The map manuscripts were compiled at the scale of 1:20,000 and include information of interest to this Bureau, not all of which was shown on the printed quadrangle. For this reason and for the preservation of field data, the field edit copy is filed with a cloth backed copy of the printed quadrangle. Black and purple ink corrections and green ink deletions shown thereon were obtained by the field edit party. Additions shown in green ink are corrections that were applied during the office review.

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

Contemporary Hydrographic Surveys

None

Comparison with Previous Topographic Surveys

T-299 (1:20,000) 1850
T-4467 (1:20,000) 1929
"Ocean City" (1:62,500) U.S.G.S. 1901

T-8100 has been compared with the above surveys and supersedes the section thereof that it covers.

Comparison with Nautical Charts 1219 and 1220

Details shown on these charts are mostly compiled from the topographic surveys mentioned above. Numerous minor changes should be included on the chart. T-8100 has not been applied to these charts.

Radial Plot and Detailing

No revision of the radial plot was necessary. Numerous small islands were omitted in the detailing. Several duck blinds were added to the manuscript by radial intersection.

See report on horizontal accuracy test and tabulation of results bound with foregoing report.

RMBerg

Reviewed under direction of D. H. Benson

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

Robert W Knox
Chief, Surveys Branch

K.T. Adams
Chief, Section of Topography

H.S. Borden
Chief, Division of Charts

G Rude
Chief, Division of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8100

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
2-5-48	1219	Frey S. Rusizinsky	~~Before~~ ~~After~~ Verification and Review complete application
12/22/47	1220	D. Engel	Before " " " " "
5/3/49	1220	J.T. Walker	~~Before~~ After Verification and Review
			Completely applied to reconstruction
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.