Original

T-12076

T-12076

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE

Field No. ..... *Office No.* T-12076

LOCALITY

State Maryland

General locality Worcester County

Locality Assawoman Bay

1961-63, 62

CHIEF OF PARTY

W. M. Reynolds, Chief of Field Party

Miller J. Tonkel, Baltimore District Office

LIBRARY & ARCHIVES

DATE .....

USCOMM-DC 5087

FORM C&GS-181a
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-12076

PROJECT NO. (II):

PH-6103 (21039)

FIELD OFFICE (II):	CHIEF OF PARTY
Snow Hill, Maryland	William M. Reynolds
PHOTOGRAMMETRIC OFFICE (III):	**OFFICER-IN-CHARGE**
Baltimore District Office	William J. Tonkel

INSTRUCTIONS DATED (II) (III):

(II) November 20, 1961
(III) October 24, 1962
July 26, 1963, Amendment I

METHOD OF COMPILATION (III):

Kelsh Plotter

MANUSCRIPT SCALE (III):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:10,000	1:6,000
DATE RECEIVED IN WASHINGTON OFFICE (IV):	**DATE REPORTED TO NAUTICAL CHART BRANCH (IV):**

APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):	VERTICAL DATUM (III): MHW
N. A. 1927	XXXXXXXXXXXX EXCEPT AS FOLLOWS: *Elevations shown as (25) refer to mean high water* *Elevations shown as (5) refer to sounding datum* *i.e., mean low water or mean lower low water*

REFERENCE STATION (III):

REEDY 2, 1958

LAT.:	LONG.:	
38° 22' 43.744"	75° 04' 14.279"	☒ ADJUSTED ☐ UNADJUSTED

PLANE COORDINATES (IV):		STATE	ZONE
Y = 204,496.77 ft.	X = 1,353,067.04 ft.	Maryland	--

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.
WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

USCOMM-DC 38393A-P66

FORM C&GS-181b
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): William M. Reynolds, Mathew A. Stewart	DATE: July-August 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): 1961 and 1962 panchromatic photography with Field Inspection notes.	
PROJECTION AND GRIDS RULED BY (IV): A. R. Roundtree	DATE: 9/5/62
PROJECTION AND GRIDS CHECKED BY (IV): I. Y. Fitzgerald	DATE: 9/10/62
CONTROL PLOTTED BY (III): Leroy A. Senasack	DATE: 2/5/63 & 4/17/63
CONTROL CHECKED BY (III): E. L. Rolle, R. F. Carr	DATE: 2/5/63, 4/17/63
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): Aerotriangulation - Washington, D. C.	DATE: 3/22/63 & 4/12/62
STEREOSCOPIC INSTRUMENT COMPILATION (III): L. O. Neterer	PLANIMETRY: L. O. Neterer — DATE: 5/8/63
	CONTOURS: Inapplicable — DATE:
MANUSCRIPT DELINEATED BY (III): B. Wilson	DATE: 6/14/63
SCRIBING BY (III): J. C. Cregan	DATE: 11/18/63
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): E. L. Rolle	DATE: 11/18/63
REMARKS:	

USCOMM-DC 36393B-P66

FORM C&GS-181c (3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

S and W cameras

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
61-S-9048 thru 9050	24 May,1961	0828	1:30,000	~~2.8~~ 0.4 ft. above MLW
62-S-2283 thru 2286	15 March,1962	1245	1:15,000	1.5 ft. " "
62-W-3804 thru 3806	28 April,1962	1000	1:15,000	0.9 ft. " "
62-W-4364	4 May, 1962	0901	1:20,000	3.0 ft. " "
62-S-3147 thru 3153	24 March,1962	1006	1:15,000	2.8 ft. " "

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Sandy Hook, New Jersey		4.6	5.6
SUBORDINATE STATION: Ocean City, Maryland		3.4	4.1
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet,Atlantic Marine Center — DATE: Sept. 1966

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	10	RECOVERED: 4	IDENTIFIED: 3
NUMBER OF BM(S) SEARCHED FOR (II):	2	RECOVERED: 2	IDENTIFIED 1

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 2

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0

REMARKS:

USCOMM-DC 36393C-P66

4/

COMPILATION RECORD	COMPILATION DATE	REMARKS
Compilation complete	June 1963	

NOTE: Map was not field edited.

CHINCOTEAGUE BAY

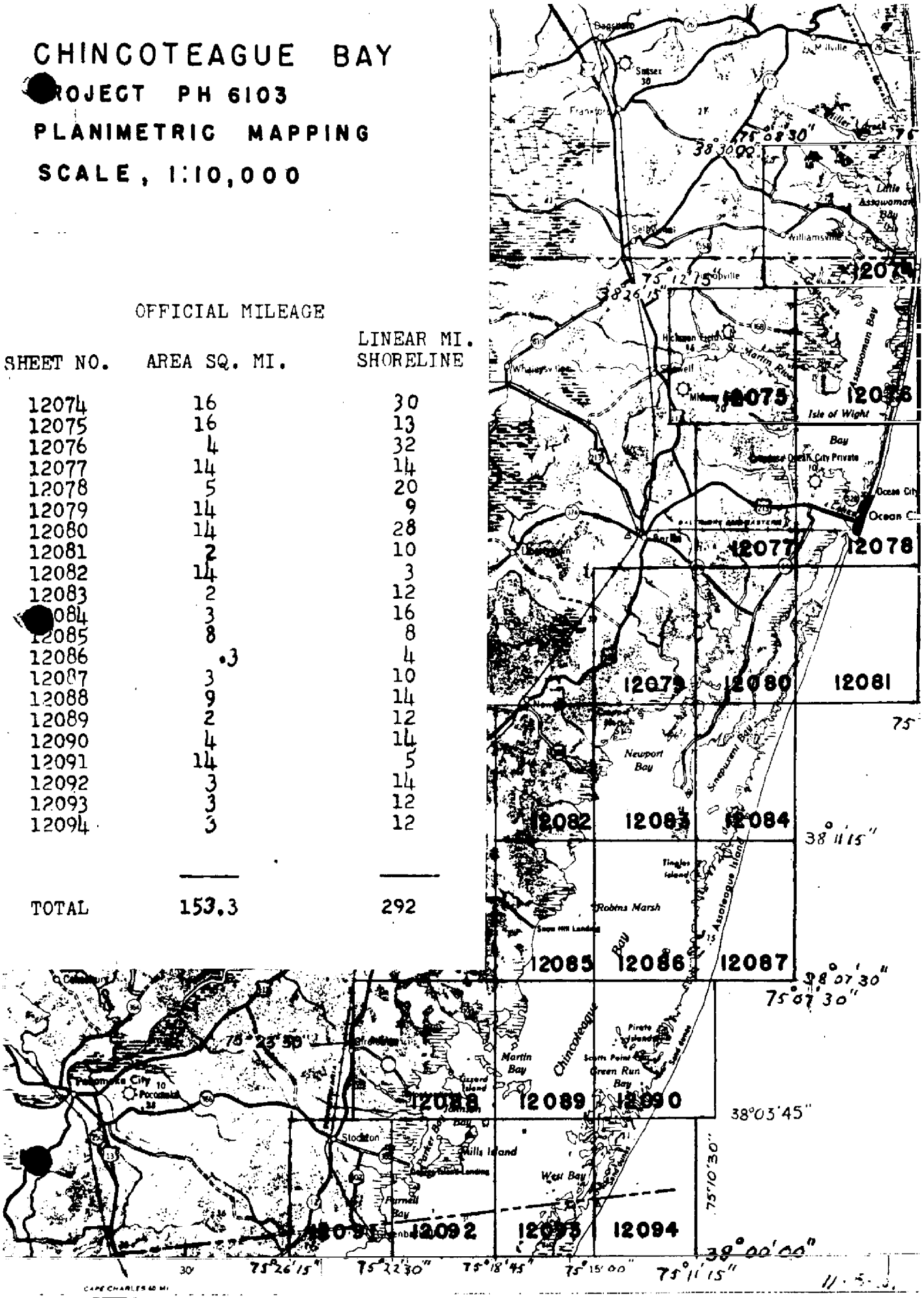
PROJECT PH 6103

PLANIMETRIC MAPPING

SCALE, 1:10,000

OFFICIAL MILEAGE

SHEET NO.	AREA SQ. MI.	LINEAR MI. SHORELINE
12074	16	30
12075	16	13
12076	4	32
12077	14	14
12078	5	20
12079	14	9
12080	14	28
12081	2	10
12082	14	3
12083	2	12
12084	3	16
12085	8	8
12086	.3	4
12087	3	10
12088	9	14
12089	2	12
12090	4	14
12091	14	5
12092	3	14
12093	3	12
12094	3	12
TOTAL	153.3	292



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12076

Shoreline map T-12076 is one of twenty-one similar maps in this project. It covers the greater part of Assawoman Bay and parts of Fenwick Island, Isle of Wight Bay and St. Martin Neck.

The purpose of the project was to provide base maps in support of the Bureau's Nautical Chart Program and for the compilation of special charts for the State of Maryland, Department of Tidewater Fisheries.

Field work preceding compilation included recovery and identification of horizontal control, field inspection, shoreline inspection and identification of landmarks and fixed aids to navigation.

The Kelsh compilation was at 1:10,000 scale using the panchromatic photography obtained in 1961 and 1962. See the compilation report regarding the outer coast of this manuscript.

The manuscript is a vinylite sheet 3 3/4 minutes in latitude by 4 1/2 minutes in longitude which was scribed and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry.

FIELD INSPECTION REPORT
MAP T-12076
PROJECT PH-6103

Please refer to Field Inspection Report submitted with Map T-12074 for all information pertaining to this map.

Submitted,

William M. Reynolds
Chief, Sub-unit Photo.
Party 720

Field inspection notes pertaining to this map appear on the following photographs:

61-S-9047 thru 9050
62-S-3148 thru 3153

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T- 12076 PROJECT NO. PH-6103 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
GREY, 1934	MD VOL.2 pg. 411	N.A. 1927	224,924.19							
			1,345,789.82							
HOWARD, 1909	pg. 106	"	213,391.22							
			1,355,854.34							
HORSE, 1929	MD VOL. 2 pg. 414	"	219,451.32							
			1,357,172.95							
PINE, 1934	MD VOL. 2 pg. 415	"	215,849.66							
			1,340,929.06							
ISLE OF WIGHT LIFE SAVING STATION TOWER, 1909	MD VOL. 2 pg. 417	"	213,483.22							
			1,356,047.22							
REEDY 2, 1958	MD VOL. 2 pg. 419	"	204,496.77							
			1,353,067.04							
HORSE 2, 1962	I.B.M. READOUT	"	218,414.68							
			1,356,904.30							
WIGHT 3, 1962			209,003.08)	converted from unadjusted			6	5127		
			1,344,302.17)	G. P.			41	3253		

1 FT. = .3048006 METER

COMPUTED BY: LAS DATE November 7, 1962 CHECKED BY: DATE 11/15/62

COMM-DC-57843

PHOTOGRAMMETRIC PLOT REPORT
T-12076

Please refer to the Photogrammetric Plot Report bound with T-12074 for data pertaining to this map.

COMPILATION REPORT
T-12076

31. DELINEATION

Delineation of the manuscript was by Kelsh plotter except along the outer coast. The shoreline along the coast was changed drastically by the storm of March 6 and 7, 1962. This area was delineated graphically using the 1962 photography, obtained after the storm, and the shoreline positioned in accordance with shoreline inspection notes provided by the field party.

32. CONTROL

Control for the Kelsh models was established by Aerotriangulation. The placement and density of passpoints was adequate.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAIL

The shoreline inspection was complete and adequate and the shoreline was delineated accordingly.

The shoreline along the outer beach, changed by the storm mentioned in item 31, was delineated in accordance with field inspection notes. The MHWL will probably change from that shown on the manuscript as work on re-building the beach progresses.

36. OFFSHORE DETAILS

No offshore details requiring investigation by a hydrographic party were noted during the course of compilation.

37. LANDMARKS AND AIDS

There are no aids to navigation within the limits of this manuscript. One landmark was located and reported on Form 567.

38. CONTROL FOR FUTURE SURVEYS

Two Topographic stations were identified by the field party and located during compilation.

39. JUNCTIONS

Satisfactory junctions were made with T-12074 to the north; T-12075 to the west and T-12078 to the south. The Atlantic Ocean is to the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No horizontal or vertical accuracy tests were run.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with USGS ASSAWOMAN BAY, MD-DEL. quadrangle, 1:24,000 scale, edition of 1942 revised 1946. The two surveys are in good general agreement except along the outer coast. (See Items 31 and 35).

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 1220, 1:80,000 scale, 12th edition. The chart and manuscript are in good general agreement.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Joseph Steinberg
For: E. L. Rolle
Cartographer (Photo)

Approved and forwarded:

J. Bull
J. Bull, CAPT
Director, Atlantic Marine Center

48. GEOGRAPHIC NAMES LIST

ASSAWOMAN BAY
BACK CREEK
BOAR ISLAND
CEDAR POINT
CORN HAMMOCK
DEVIL ISLAND
DOUBLE POND
DRUM POINT
GOOSE CREEK
GOOSE POND
GRAYS CREEK
HILLS ISLAND
HORSE ISLAND
HORSE ISLAND COVE
ISLE OF WIGHT BAY
JENKINS POINT
MYRTLE CREEK
PEEKS CREEK
PINEY ISLAND
POPLAR POINT
REEDY ISLAND
RICH ISLAND
SMOKEHOUSE COVE
SOUTH HAMMOCKS
ST. MARTIN NECK
ST. MARTIN RIVER
SWAN POINT
WIGHT POINT
ZIPPY CREEK

49. NOTES FOR THE HYDROGRAPHER

There are no notes for the hydrographer.

C&GS FORM 1002
(11-13-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

50 ~~H-10368~~ T-12076

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
E. L. Rolle	E. L. Rolle	E.L.R.	ELR

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY *(Topographic stations)*	7. PHOTO HYDRO STATIONS
ELR	ELR	None

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
ELR	XX	ELR	ELR

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
ELR	ELR	ELR	XX

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
XX	XX	ELR	ELR

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
ELR	ELR	XX

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
XX	XX	XX	ELR

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
ELR	ELR	XX	ELR

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
XX	XX

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
ELR	ELR	ELR

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
ELR	ELR	ELR	ELR

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
Joseph Steinberg, For E. L. Rolle	Joseph Steinberg

41. REMARKS *(See attached sheet)*

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

COMPILER	SUPERVISOR

43. REMARKS

Note: Map was not field edited.

USCOMM-DC 16282-P61

14

FIELD EDIT REPORT
T-12076

This map was not field edited.

REVIEW REPORT T-12076
SHORELINE
September 16, 1966

61. GENERAL STATEMENT

See summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with Registered Survey T-8100, 1:19,680 scale. The MHWL of the two surveys are in good agreement except along the outer coast. The changes have been indicated on the comparison print along with a change in Assawoman Bay near latitude 38° 22.2' longitude 75° 04.3'.

Map T-12076 supersedes the prior registered survey for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with USGS ASSAWOMAN BAY, MD-DEL. quadrangle, 1:24,000 scale, edition of 1942 revised 1946. The two maps are in good agreement except along the outer barrier beach of Fenwick Island. The difference in the MHWL between the two surveys has been shown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of ~~verified~~ boat sheet H-8711. The MHWL on the boat sheet, within the limits of this map, extends only from latitude 38° 22'30" to latitude 38° 23'10". The MHWL on the boat sheet and the manuscript within these limits are not in agreement. The difference is shown on the comparison print. It was also noted that no groins on a foul area near latitude 38° 24.0' longitude 75° 03.6' are shown on the boat sheet. * Refer to page 17 of this report

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 1220, 1:80,000 scale, 12th edition, November 1, 1965. Because of the difference in scales only a visual comparison was made. The following differences were noted:

Groins along the outer coast, shown on the manuscript, do not appear on the chart.

No piers, pier ruins, duck blinds, etc., appear on the chart in Assawoman Bay.

Two small boat harbors near latitude 38° 22.2' longitude 75° 04.3' do not appear on the chart.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National Standard of Map Accuracy.

Future surveys should verify the location of the MHWL along Fenwick Island on the outer coast.

Reviewed by:

Leo F. Bugnet

Approved by:

J. Bullegor

Director, Atlantic Marine Center

Approved by:

Charles Lemmon

Chief, Photogrammetric Branch SMB

Chief, Photogrammetry Division

Chief, Marine Chart Division

* Side heading 64. (continued)
The unverified smooth sheet (H-8711) was compared with T-12076 in the Washington office prior to registering the shoreline survey. Smooth sheet shoreline apparently originated with an "incomplete" copy of T-12076.

NOTES TO THE VERIFIER
T-12076

There are no notes to the verifier for this map. * Refer to the Review Report

The following photographs were examined during final review:

61-S-9047 thru 9050

62-S-2283 " 2284

62-S-3147 " 3152

62-W-3802 " 3808

62-W-4363 " 4365

C&GS FORM (11-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~
} STRIKE OUT TWO

Norfolk, Virginia Sept. 19, 1966

I recommend that the following objects which have ~~(been)~~ 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 by Leo F. Beugnet
Leo F. Beugnet

Joseph Steinberg
Joseph Steinberg ~~Chief of Party~~

STATE MARYLAND

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	″ D.M. METERS	LONGITUDE* ° ′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
SILO	No description		38 24	26.3 810	75 06	19.9 484	NA1927	Photo. T-12076	unknown		X		1220
	Added during Final Review												

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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.

* TABULATE SECONDS AND METERS

USCOMM-DC 16234-P61