

T-12081

T-12081

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-12081
LOCALITY	
State	Maryland
General locality	Sinepuxent Bay
Locality	Assateague Island
19 61-1963 62	
CHIEF OF PARTY	
W. M. Reynolds, Chief of Field Party	
M. J. Tonkel, Baltimore District Office	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T- 12081

PROJECT NO. (II):

PH-6103 (21039)

FIELD OFFICE (III):

Snow Hill, Maryland

CHIEF OF PARTY

William M. Reynolds

PHOTOGRAMMETRIC OFFICE (III):

Baltimore District Office

OFFICER-IN-CHARGE

Miller J. Tonkel

INSTRUCTIONS DATED (II) (III):

II November 20, 1961
III October 24, 1962
July 26, 1963 - Amendment 1

METHOD OF COMPILATION (III):

Kelsh plotter

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

Pantograph 1:3,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

N. A. 1927

VERTICAL DATUM (III):

~~MEAN LOW WATER~~
MHW
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):

FOLLY, 1962

LAT.:

38° 17' 18.936"

LONG.:

75° 06' 44.416"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

Y = 171,396.62 ft.

X = 1,341,793.18 ft.

STATE

Maryland

ZONE

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.

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III): William M. Reynolds		DATE: May-July 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Kelsh plotter using field inspection notes and ground survey data.		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree		DATE 8/27/62
PROJECTION AND GRIDS CHECKED BY (IV): I. Y. Fitzgerald		DATE 9/10/62
CONTROL PLOTTED BY (III): L. A. Senasack		DATE 2/24/63
CONTROL CHECKED BY (III): E. L. Rolle		DATE 2/24/63
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. B. Kelly and L. W. Fritz - Washington Office		DATE 4/12/62 10/31/62
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY L. O. Neterer	DATE 2/24/63
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): J. Councill		DATE 3/5/63
SCRIBING BY (III): J. Cregan		DATE 1/27/64
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): E. L. Rolle		DATE 1/27/64
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

S and W cameras

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62-S-2292 thru 2294	15 March 1962	1257	1:15,000	1.6 ft. above MLW
62-S-3159 thru 3162	24 March 1962	1009	1:15,000	2.8 ft. above MLW
62-W-3813 thru 3815	28 April 1962	1003	1:15,000	0.9 ft. above MLW

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:
1 November 1966

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

8

RECOVERED:

1

IDENTIFIED:

1

NUMBER OF BM(S) SEARCHED FOR (II):

0

RECOVERED:

0

IDENTIFIED

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

0

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

0

REMARKS:

REMARKS

Compilation completed	March, 1963

CHINCOTEAGUE BAY

PROJECT PM 6103

ANIMETRIC MAPPING

SCALE, 1:10,000

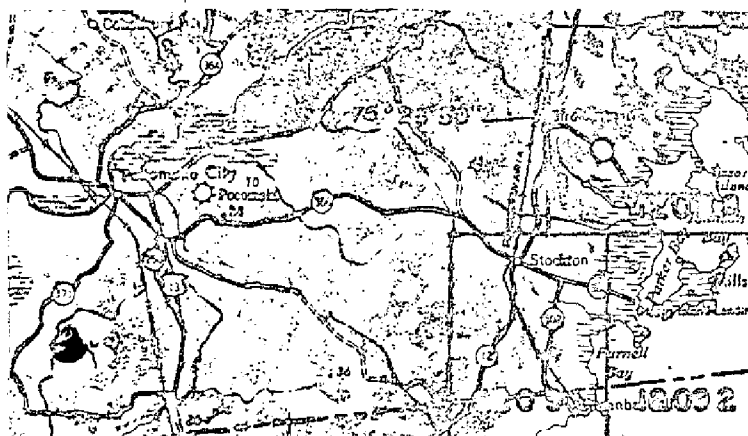
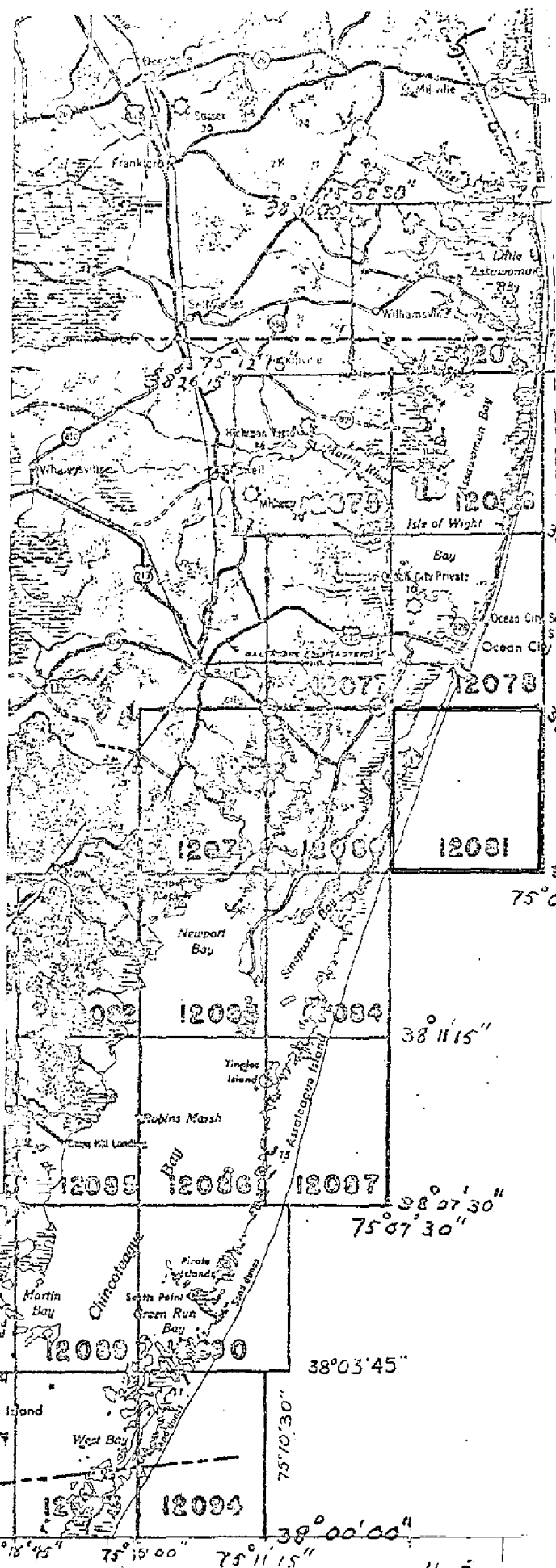
OFFICIAL MILEAGE

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

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FIELD INSPECTION REPORT
MAP T-12081
PROJECT PH-6103

Please refer to Field Inspection Report submitted with map T-12080 for all information pertaining to this map.

Submitted,

William M. Reynolds
William M. Reynolds
Sub-Unit Photo Party 720

Field inspection notes pertaining to this manuscript can be found on the following photographs:

61-W-6333 thru 6336
62-S-3158 thru 3162
61-S-9288
61-W(c)6829 and 6833

SCALE FACTOR

1 FT. = 3048006 METER	DATE November 8, 1962	CHECKED BY: ELR	DATE November 15, 1962	COMM-DC-57843
COMPUTED BY: IAS				

PHOTOGRAMMETRIC PLOT REPORT

Please refer to the Photogrammetric Plot Reports
bound with the Descriptive Reports for T-12074, T-12078
and T-12080.

COMPILATION REPORT
T-12081

31. DELINEATION

The Kelsh plotter was used to delineate the manuscript supplemented by ground survey and field inspection notes.

Subsequent to the storm of March 6 - 7, 1962, two manuscripts numbers T-12078 and T-12081 were prepared for hydro support purposes and furnished to the field party. These manuscripts were based on identified control and were limited to the delineation of the MHWL, shoal and shallow areas. The MHWL on these maps was corrected by ground survey methods by the field party. The field inspection and corrections are considered adequate and complete. The maps were later re-compiled to include inshore detail and other map features.

32. CONTROL

Control for the Kelsh models consisted of passpoints established by aerotriangulation and one identified triangulation station. The placement and density of the control was adequate.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate and complete and no difficulties were encountered during the course of compilation. All alongshore details, such as piers indicated by the field inspection, have been shown.

36. OFFSHORE DETAIL

No offshore detail requiring investigation by a hydrographic party was noted during compilation.

37. LANDMARKS AND AIDS

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There are no landmarks for charts within the limits of this map. Three fixed aids to navigation were located and reported on Form 567.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Satisfactory junctions were made with T-12078 to the north and T-12080 on the west. The Atlantic Ocean is to the south and east.

40. HORIZONTAL AND VERTICAL ACCURACY

No accuracy test were run.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with USGS OCEAN CITY, MD. quadrangle, 1942 edition. The two surveys are in good general agreement except near latitude $38^{\circ} 18' 30''$ longitude $75^{\circ} 06' 30''$ where the storm of March 6-7, 1962 cut a new inlet through the barrier beach.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 1220, 1:80,000 scale. The chart and manuscript are in good agreement.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Approved for Forwarding:

J. Bull
J. Bull

Director, Atlantic Marine Center

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

48. GEOGRAPHIC NAMES LIST

The following geographic names were furnished by the Washington Office on a copy of USGS OCEAN CITY, MD. quadrangle, 1942 edition, 1:24,000 scale.

ASSATEAGUE ISLAND

COFFINS POINT

OCEAN CITY AIRPORT*

SINEPUXENT BAY

SNUG HARBOR

UPPER SINEPUXENT NECK

*Not on USGS quadrangle

49. NOTES TO THE HYDROGRAPHER

There are no notes to the hydrographer for this manuscript.

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T-10263
12081

1. PROJECTION AND GRIDS E. L.R.		2. TITLE ELR		3. MANUSCRIPT NUMBERS ELR		4. MANUSCRIPT SIZE ELR	
CONTROL STATIONS							
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ELR				6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) None		7. PHOTO HYDRO STATIONS None	
8. BENCH MARKS None		9. PLOTTING OF SEXTANT FIXES None		10. PHOTOGRAMMETRIC PLOT REPORT ELR		11. DETAIL POINTS ELR	
ALONGSHORE AREAS (Nautical Chart Data)							
12. SHORELINE ELR		13. LOW-WATER LINE ELR		14. ROCKS, SHOALS, ETC. ELR		15. BRIDGES None	
16. AIDS TO NAVIGATION ELR		17. LANDMARKS ELR		18. OTHER ALONGSHORE PHYSICAL FEATURES ELR		19. OTHER ALONGSHORE CULTURAL FEATURES ELR	
PHYSICAL FEATURES							
20. WATER FEATURES ELR				21. NATURAL GROUND COVER ELR		22. PLANETABLE CONTOURS None	
23. STEREOSCOPIC INSTRUMENT CONTOURS None		24. CONTOURS IN GENERAL None		25. SPOT ELEVATIONS None		26. OTHER PHYSICAL FEATURES ELR	
CULTURAL FEATURES							
27. ROADS ELR		28. BUILDINGS ELR		29. RAILROADS None		30. OTHER CULTURAL FEATURES ELR	
BOUNDARIES							
31. BOUNDARY LINES None				32. PUBLIC LAND LINES None			
MISCELLANEOUS							
33. GEOGRAPHIC NAMES ELR				34. JUNCTIONS ELR		35. LEGIBILITY OF THE MANUSCRIPT ELR	
36. DISCREPANCY OVERLAY ELR		37. DESCRIPTIVE REPORT ELR		38. FIELD INSPECTION PHOTOGRAPHS ELR		39. FORMS ELR	
40. REVIEWER Joseph Steinberg For: E. L. Rolle				SUPERVISOR, REVIEW SECTION OR UNIT 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							

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FIELD EDIT REPORT
T-12081

This survey was not field edited.

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REVIEW REPORT T-12081
SHORELINE
November 2, 1966

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with Registered survey T-8127, 1:20,000 scale made in 1941-1942. The shoreline of Assateague Island has shifted westward from approximately 50 meters near the southern limits of the sheet to 300 meters near the northern limits.

The storm of March 6-7, 1962 cut a new inlet through the island near latitude $38^{\circ}18.5'$ longitude $75^{\circ}06.3'$. The comparison with survey T-8127 has been shown on the comparison print.

Shoreline survey T-12081 supersedes the older survey and should be used for future nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with USGS OCEAN CITY, MD. quadrangle, 1:24,000 scale, edition of 1942. The manuscript and quadrangle are in good agreement except for the following:

Ocean City Airport does not appear on the quadrangle.

The shoreline along Assateague Island has changed. The storm of March 6-7 1962 cut a new inlet near latitude $38^{\circ}18'30''$ longitude $75^{\circ}06'30''$.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of boat sheet H-8711, HY 10-2-62. The shoreline on the boatsheet south of the new inlet, mentioned in the preceding paragraph, is identical with the shoreline of this manuscript.

The shoreline on the north side of the inlet is shown with a dashed line on the boat sheet.. Comparison of the two surveys has been indicated on the comparison print. REFER TO PAGE 18 OF THIS DESCRIPTIVE REPORT.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 1220, 1:80,000 scale, 12th edition, November 1, 1965. The chart and manuscript are in good general agreement. The following differences were noted.

Pier ruins near latitude $38^{\circ}18.1'$ longitude $75^{\circ}07.0'$ and latitude $38^{\circ}18.0'$ longitude $75^{\circ}07.3'$ do not appear on chart.

A submerged rock symbol appears on the chart at latitude $18^{\circ}18.2'$ longitude $75^{\circ}07.0'$. Although some discoloration appears on photographs 61W(c) 6831 and 6832 at this position, it is not definite that the submerged rock exist.

66. ACCURACY OF RESULTS AND FUTURE SURVEYS

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

Reviewed by:

Leo F. Bugnot

Approved by:

J. Bullyard
Director, Atlantic Marine Center

Approved by:

Charles Therman
Chief, Photogrammetric Branch

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Chief, Photogrammetry Division

Chief, Marine Chart Division

STRIKE OUT ONE

NONFLOATING AIDS OR BRAND MARKS FOR CHARTS

Norfolk, Virginia

November 2 1961

I recommend that the following objects which have ~~(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. Reugnet

Joseph Steinberg

Chief of Port

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. 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

NOTES TO THE VERIFIER

The shoreline of Chart 1220 and survey T-12081 are not in agreement in the area of latitude $38^{\circ} 18.3'$ longitude $75^{\circ} 06.4'$. The differences between this survey, the boat sheet and Registered Survey T-8127 have been shown on the comparison print. * See below

The following photographs were examined during final review of the manuscript.

62-S-2293 thru 2296
62-S-3158 " 3162
62-W-3813 " 3816
61-S-9288
61-W-6333 thru 6336
61W(c) 6829 thru 6833

* ALSO REFER TO ITEM 64. OF THE REVIEW REPORT.

NOTE: THE DASHED LINE REFERRED TO UNDER ITEM 64. OF THE REVIEW REPORT HAS BEEN CARRIED FORWARD TO THE UNREVIEWED (ALSO UNVERIFIED) SMOOTH SHEET, IN PENCIL. THE HYDRO SURVEY REPORT (ITEM 6, PAGE 3) ACCOUNTS FOR THIS SHORELINE AS "SKETCHED IN BY THE HYDRO PARTY". THE SHORELINE ALONG THE OCEAN SHOWN ON T-12081 WAS LOCATED BY FIELD METHODS (REFER TO FIELD INSPECTION REPORT FOR T-12081, INCLUDED IN THE DESCRIPTIVE REPORT FOR T-12080 - ITEM 7, PAGE 8). THIS FIELD INSPECTION DATA WAS FURNISHED THE HYDRO PARTY DURING HYDROGRAPHY AND APPARENTLY APPLIED TO THE BOAT SHEET, EXCEPT IN THE AREA OF THE DASHED LINE. THIS DASHED MHW LINE CONTINUES NORTH OF THE COMMON AREA WITH T-12081 TO Ocean City Inlet (AREA COVERED BY T-12078). FIELD REVISED SHORELINE WAS APPLIED TO 12078; THIS DATA, HOWEVER, WAS NOT FURNISHED THE HYDRO PARTY, NOR HAS IT BEEN APPLIED TO THE SMOOTH SHEET (H-8711) - REFER TO THE REVIEW REPORT FOR T-12078 (ALSO "NOTES TO VERIFIER PAGE" INCLUDED IN THE DESCRIPTIVE REPORT).

AMB
1/13/67