

12079

12079

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-12079
LOCALITY	
State	Maryland
General locality	Worcester County
Locality	Newport Creek
1961-1963 62	
CHIEF OF PARTY	
W. M. Reynolds, Chief of Field Party	
Miller J. Tonkel, Baltimore District Office	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD
T - 12079

PROJECT NO. (II): PH-6103 (21039)		
FIELD OFFICE (III): Snow Hill, Maryland		CHIEF OF PARTY Ray M. Sundear
PHOTOGRAMMETRIC OFFICE (III): Baltimore, Maryland		OFFICER-IN-CHARGE William J. Tonkel
INSTRUCTIONS DATED (II) (III): (II) November 29, 1961 (III) October 24, 1962 July 26, 1963 - Amendment I		
METHOD OF COMPILATION (III): Kelsh Plotter		
MANUSCRIPT SCALE (III): 1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:6,000 pantographed to 1:10,000
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III): NA 1927		VERTICAL DATUM (III): MHW MEAN LOW WATER 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): HOLSTON, 1942		
LAT.: 38° 16' 06.485"	LONG.: 75° 15' 06.750"	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): Y = 163,271.37 FT X = 1,301,888.91 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 (II):		DATE:
Matthew A. Stewart		March 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
1961 photography with field inspection		
PROJECTION AND GRIDS RULED BY (IV):		DATE
A. R. Roundtree		9/4/62
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
I. Y. Fitzgerald		9/10/62
CONTROL PLOTTED BY (III):		DATE
Leroy A. Senasack		4/16/63
CONTROL CHECKED BY (III):		DATE
R. F. Carr		4/16/63
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
H. P. Eichert, Washington Office		3/22/63
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
J. D. McEroy	J. D. McEroy	5/1/63
MANUSCRIPT DELINEATED BY (III):		DATE
C. A. Lipscomb		6/18/63
SCRIBING BY (III):		DATE
J. Cregan		2/18/64
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
E. L. Rolle		2/18/64
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

S Camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
61-S-9054 thru 9056	24 May 1961	0831	1:30,000	0.4 above MLW

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Sandy Hook, N. J.		4.6	5.6
SUBORDINATE STATION: Snow Hill Landing, Md.		0.4	0.5
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

Leo F. Deugnet, Atlantic Marine Center

DATE:

October 1966

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

1

RECOVERED:

0

IDENTIFIED:

0

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:

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation completed	June 1963	

CHINCOTEAGUE BAY

PROJECT PH 6103

PLANIMETRIC MAPPING

SCALE, 1:10,000

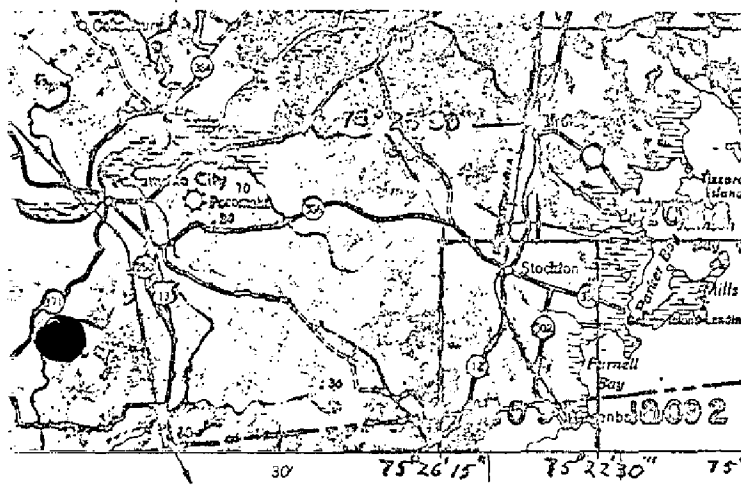
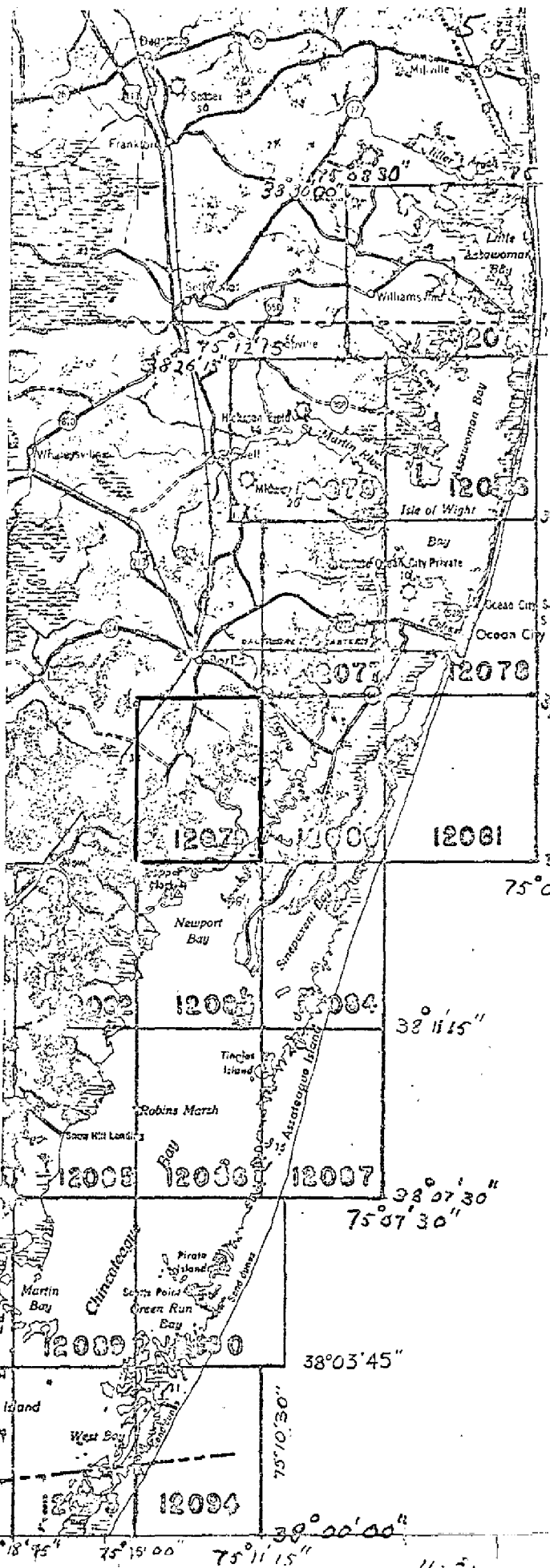
OFFICIAL MILEAGE

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-12079

Shoreline map T-12079 is one of twenty-one similar maps in Project PH-6103. It covers a part of Newport Bay and Newport Creek near the north end of Chincoteague Bay. The primary purpose of the project was to provide shoreline for the Bureau's Nautical Chart Program and to provide special charts to the State of Maryland, Department of Tidewater Fisheries.

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

Compilation was at 1:10,000 scale by Kelsh methods utilizing the 1:30,000 scale panchromatic photography and passpoints established by aerotriangulation.

The manuscript is a vinylite sheet 3 3/4" in latitude by 3 3/4" 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
MAPS T-12079, T-12082, and T-12083
PROJECT PH#6103
CHINCOTEAGUE BAY, MARYLAND

2. Areal Field Inspection.

These maps are located along the eastern shore of Maryland just south of the town of Berlin and around the northwest corner of Chincoteague Bay.

The land area consists primarily of sizeable stretches of marsh along the westerly side of Chincoteague Bay. The area is served by a network of good county and state highways which branch off from U.S. 113.

The water area is shallow and can be navigated by small boats only. The Intracoastal Waterway crosses the southeast corner of map T-12083. The area is also frequented by small pleasure boats and by commercial fishermen using small shallow-draft vessels. The catch is mainly crabs and oysters.

Field Inspection was confined to an area of approximately 0.5 mile inshore from the shoreline and is believed complete. No items were deliberately left for field edit. The area was revisited after the storm of 6 March 1962 and no appreciable damage was suffered by this area. Where storm damage corrections were warranted, they have been made on the photographs.

Field inspection notes have been made on the following 1:10,000 scale ratio prints; 61S9055 through 61S9058, 61S9087 and 61S9293.

The photography was of fair to good quality and no difficulty was encountered in their interpretation in the field. The tones ranged from white, in the sand or shell areas, to grey, in the marsh areas, to black, in the areas covered with trees. Tone changes were consistent throughout the area. The different tones have been clarified on the photographs.

3. Horizontal Control.

All Coast and Geodetic Survey Stations were searched for. The requirements for the identification of control, as indicated by a special copy of the project diagram,

3. Horizontal Control Cont'd

were adequately met for this area. Station LAWRENCE 1958, located in map T-12082, was substituted for station HOLSTON 1942, located in map T-12079.

There was no supplemental horizontal control established by the field party.

The following stations were reported lost or destroyed:

T-12079
HOLSTON 1942

T-12082
NONE

T-12083
HANDY HAMMOCK 1907
NEWPORT 1907
BIRCH 1908

4. Vertical Control

There are no tidal bench marks within these maps.

5. Contours and Drainage.

Contours are inapplicable.

Drainage is through the short creeks along the western side of the bay. These streams are self-evident from the photographs.

6. Woodland Cover

Woodland cover was field inspected and has been classified on the photographs.

7. Shoreline and Alongshore Features

The shoreline was inspected by skiff running close to shore and is mainly apparent. The only exceptions to the above are short stretches of sand or shell which are fast land. These have been indicated on the photographs.

The low water line was not inspected or located.

All docks, wharves, piers or landings have been indicated on the photographs.

The shore ends of submerged or overhead cables have been indicated on the photographs.

8. Offshore Features

There are no offshore features.

9. Landmarks and Aids

All landmarks for nautical charts and fixed aids to navigation are adequately covered by Form 567. This form for the entire project will be submitted at a later date.

10. Boundaries, Monuments and Lines

The entire area is within Worcester County Maryland and no boundaries are affected.

11. Other Control

One topographic station, ACE 1942, was recovered and identified in map T-12083. In addition to the above, copperweld stakes and natural objects were identified for location by the plot. These points were selected so that the Maryland Department of Tidewater Fisheries could observe sextant fixes from any place in the bay to locate oyster beds.

12. Other Interior Features

All roads and buildings were inspected and have been classified in accordance with Photogrammetry Instructions Numbers 54 and 56.

There are no airports or landing fields within the area.

13. Geographic Names

A special report on geographic names will be submitted at a later date.

14. Special Reports and Supplemental Data

Special Report Geographic Names, Project PH-6103, to be submitted at a later date.

Special Report Coast Pilot, Project PH-6103, to be submitted at a later date.

Form 567 to be submitted at a later date.

Field photographs and assorted data listed on Letter of Transmittal dated 28 MARCH 1962.

Respectfully submitted,

Ray M Sundeau

Ray M. Sundeau
Chief, Photo Party 723

Field inspection notes for this map are on photographs 61-S-9054 thru 9056.

PHOTOGRAMMETRIC PLOT REPORT
T-12079

Please refer to the Photogrammetric Plot Report, dated March 1963,
which is bound with the Descriptive Report for T-12074.

COMPILATION REPORT
T-12079

31. DELINEATION

The Kelsh plotter was used to delineate the manuscript. The field inspection was complete and adequate and no difficulties were encountered during compilation.

32. CONTROL

Horizontal control consisted entirely of passpoints established by aerotriangulation. The density and placement of these points was adequate.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours inapplicable.

The drainage was delineated in accordance with field inspection notes.

35. SHORELINE AND ALONGSHORE DETAIL

The shoreline inspection was adequate and delineation was in accordance with field inspection notes. All alongshore details, such as piers, have been shown.

36. OFFSHORE DETAILS

This map, being one of the interior maps in the project, has very little shoreline or water area. No offshore details requiring investigation by future surveys were noted.

37. LANDMARKS AND AIDS

There are no aids to navigation or landmarks for charts within the limits of this map.

38. CONTROL FOR FUTURE SURVEYS

No control for future surveys was established.

39. JUNCTIONS

Satisfactory junctions were made with T-12080 to the east and with T-12083 to the south. There are no contemporary surveys to the north or west.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. BERLIN, MD. quadrangle, 1943 edition, 1:24,000 scale. The two surveys are in good agreement.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 1220, 1:80,000 scale. The chart appears to be in good agreement with the manuscript.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

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

Approved and forwarded:

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

14/
48. GEOGRAPHIC NAMES

The following names, which appear on this manuscript, were provided by the Washington Office on U.S.G.S. BERLIN, MD. quadrangle, edition of 1943.

BASSETT CREEK

BEAVERDAM CREEK

BUDDY POND

CATBIRD CREEK

CROPPER NECK

GRAYS INLET

HERRING GUT

NEWPORT BAY

NEWPORT CREEK

NEWPORT NECK

PETERS NECK

TRAPPE CREEK

TRAPPE MILLPOND

WALLOPS NECK

49. NOTES FOR THE HYDROGRAPHER

There were no contemporary hydrographic surveys scheduled in the area of this manuscript at the time of completion of the map.

PHOTOGRAMMETRIC OFFICE REVIEW

T-12079 12079

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1. PROJECTION AND GRIDS E.L.Rolle	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 ELR
16. AIDS TO NAVIGATION None	17. LANDMARKS None	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 For: ELR Joseph Stunberg		SUPERVISOR, REVIEW SECTION OR UNIT Joseph Stunberg	
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 Manuscript was not field edited.			

FIELD EDIT REPORT
T-12079

The maps in this project were not field edited.

REVIEW REPORT
SHORELINE
October 12, 1966

61. GENERAL STATEMENT

See summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with Registered Survey T-8126, 1:20,000 scale. There is some difference in the shoreline, along the creeks and bays, between these two surveys. It is believed that the difference is caused by photograph interpretation rather than erosion or a shift in datum.

Map manuscript T-12079 supersedes T-8126 and should be used for future nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. BERLIN, MD. quadrangle, 1:24,000 scale, edition of 1943. The two surveys are in good agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There are no contemporary hydrographic surveys within the area of this manuscript.

65. COMPARISON WITH NAUTICAL CHARTS

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

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Reviewed by:

Leo F. Beugnot

Approved by:

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

Approved by:

Charles Therman
Chief, Photogrammetric Branch #6

Jack E. Luth
Chief, Photogrammetry Division

Chief, Chart Division

NOTES TO THE VERIFIER

There are no notes for the verifier for this survey.

The following photographs were examined during final review:

61-S-9054 thru 9056