

T-11685

T-11685

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-11685
CLASS II	
LOCALITY	
State	VIRGINIA
General locality	NORTHAMPTON COUNTY
Locality	GREENS CREEK TO
FOWLING POINT	
1959-61	
CHIEF OF PARTY	
Elgan T. Jenkins, Field Party 726	
V. Ralph Sobieralski, Tampa District Office	
Alfred C. Holmes, Director, AHC	
LIBRARY & ARCHIVES	
DATE	JUL 1975

## DESCRIPTIVE REPORT - DATA RECORD

T 11685

PROJECT NO. (II): <b>PH-5907 (21021)</b>		
FIELD OFFICE (II): <b>Accomac, Virginia</b>		CHIEF OF PARTY <b>Elgan T. Jenkins</b>
PHOTOGRAMMETRIC OFFICE (III): <b>Tampa, Florida</b>		OFFICER-IN-CHARGE <b>V. Ralph Sobieralski</b>
INSTRUCTIONS DATED (II) (III): <b>Field: October 20, 1959</b> <b>Field Amendment 1: April 26, 1960</b> <b>Office: December 28, 1960</b> <b>Office Amendment 1: August 10, 1961</b> <b>Office Amendment 2: September 29, 1961</b>		
METHOD OF COMPILATION (III): <b>Graphic</b>		
MANUSCRIPT SCALE (III): <b>1:10,00</b>		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): <b>Inapplicable</b>
DATE RECEIVED IN WASHINGTON OFFICE (IV): <b>OCT 9 1963</b>		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III): <b>N. A. 1927</b>		VERTICAL DATUM (III): <b>MHW</b> <del>MEAN SEA LEVEL</del> EXCEPT AS FOLLOWS: <i>Elevations shown as (25) refer to mean high water</i> <i>Elevations shown as (5) refer to sounding datum</i> <i>i.e., mean low water or mean lower low water</i>
REFERENCE STATION (III): <b>NASSAWADOX 1932</b>		
LAT.: <b>37°28'48.508" (1495.5m.)</b>	LONG.: <b>75°51'21.869" (537.3m.)</b>	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): <b>y = 428,275.62 Ft.      x = 2,767,108.21 Ft.</b>		STATE <b>Virginia</b> ZONE <b>South</b>
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): <b>E. T. Jenkins</b>		DATE: <b>Apr. 1961</b>
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  <b>Air photo compilation</b> <b>Date of photography: Oct. 13, 1959</b>		
PROJECTION AND GRIDS RULED BY (IV): <b>A. Riley</b>		DATE <b>Jan. 1962</b>
PROJECTION AND GRIDS CHECKED BY (IV): <b>I. Y. Fitzgerald</b>		DATE <b>Jan. 1962</b>
CONTROL PLOTTED BY (III): <b>V. P. Cackowski</b>		DATE <b>Jan. 1962</b>
CONTROL CHECKED BY (III): <b>R. R. Wagner</b>		DATE <b>Jan. 1962</b>
RADIAL PLOT <del>OR STEREOSCOPIC CONTROL EXTENSION</del> BY (III): <b>R. R. Wagner</b>		DATE <b>Mar. 1962</b>
STEREOSCOPIC INSTRUMENT COMPILATION (III): <b>Inapplicable</b>	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): <b>R. Dossett</b> " Reviewed by: <b>W. H. Shearouse</b>		DATE <b>Apr. 1962</b> <b>May 1962</b>
SCRIBING BY (III): <b>V. P. Cackowski</b> " Reviewed by: <b>R. R. Wagner</b>		DATE <b>Mar. 1962</b> <b>Mar. 1962</b>
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): <b>W. H. Shearouse</b>		DATE <b>Apr. 1963</b>
REMARKS:		

FORM C&GS-181c  
(12-61)U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&amp;GS Nine-lens and single-lens "W"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
59-W-9296	10-4-59	Not known	1:10,000	-
59-W-9297	"	"	"	-
59-W-9298	"	"	"	-
60580	10-13-59	1146	"	-0.1 ft. above MLW

## Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Sandy Hook		4.6	5.6
SUBORDINATE STATION: Upshur Neck, South End	HW -0.2 LW 0.0	4.4	5.3
SUBORDINATE STATION:			

Atlantic Marine Center

REVIEW BY (IV):

C. H. Bishop

DATE:

Nov. 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

1

RECOVERED:

1

IDENTIFIED:

1

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

0

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

2

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

0

REMARKS:

COMPILATION RECORD

COMPLETION DATE

REMARKS

Manuscript complete pending field edit	May 1962	Superseded
Final Review	Nov. 1973	

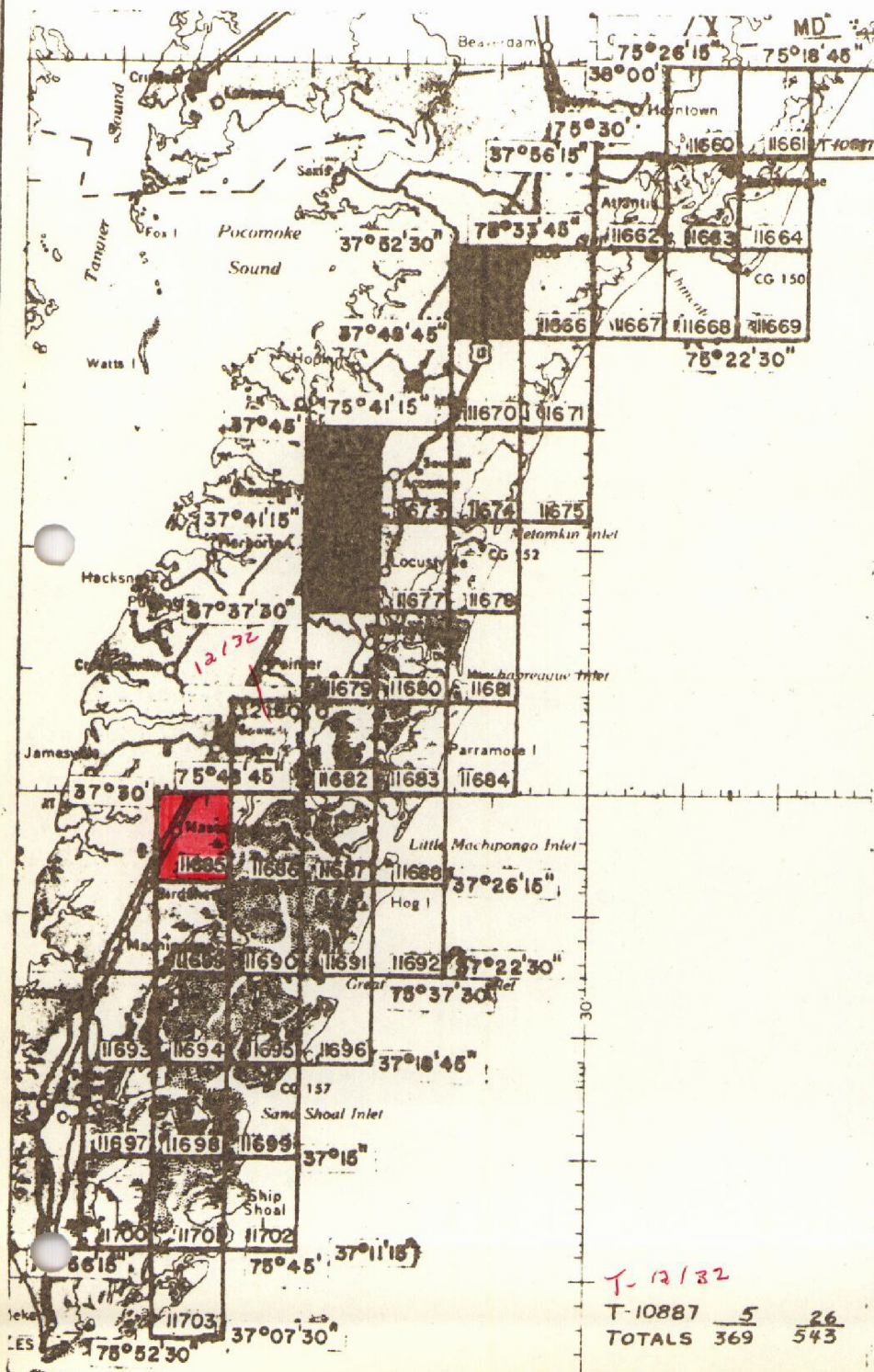
# PH-5907

5

## CAPE CHARLES TO ASSATEAGUE, VA

### Planimetric Mapping Scale 1:10,000

OFFICIAL MILEAGE  
FOR COST ACCOUNTS



Sheet No.	Area Sq. Mi.	Lin. Mi. Shoreline
11660	6	10
11661	6	15
11662	13	19
11663	7	23
11664	8	16
<del>11665</del>	<del>17</del>	<del>0</del>
11666	16	8
11667	7	8
11668	1	1
11669	1	4
11670	16	1
11671	8	15
<del>11672</del>	<del>17</del>	<del>0</del>
11673	16	5
11674	8	16
11675	1	4
<del>11676</del>	<del>16</del>	<del>0</del>
11677	13	10
11678	8	16
11679	16	8
11680	11	32
11681	4	10
11682	8	15
11683	11	15
11684	2	3
11685	16	4
11686	4	15
11687	6	20
11688	6	15
11689	13	11
11690	4	11
11691	4	16
11692	2	3
11693	11	11
11694	6	16
11695	4	19
11696	4	9
11697	11	20
11698	6	16
11699	4	13
11700	8	16
11701	8	14
11702	4	11
11703	6	23

T-12132  
T-10887 5 26  
TOTALS 369 543

11-9-61

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-11685

This 1:10,000 scale shoreline manuscript is one of 43 maps that comprise Project PH-5907, Cape Charles to Assateague, Virginia. The project diagram on page 5 indicates the location of this map in the project.

Field inspection prior to compilation was done in April, 1961.

Compilation was from 9-lens photographs taken on October 13, 1959 and single lens photographs taken on October 4, 1959. Control was based on a radial plot, using the 9-lens photographs. The Photogrammetric Plot Report was not available at the time of final review and is not bound with this Descriptive Report.

Field edit of this map was not accomplished.

Final review was done at the Atlantic Marine Center in November, 1973.

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 3 minutes 45 seconds in longitude.

A cronaflex copy of the final reviewed manuscript and a negative have been forwarded for record and registry.



FIELD INSPECTION REPORT  
FOR MAPS 11682 THROUGH 11688  
PROJECT 5907, VIRGINIA

2. AREAL FIELD INSPECTION-

The area covered by the seven maps, with the exception of map 11685, is composed mostly of mud flats that are bare or nearly so at mean low water. This mud area is very soft and will not afford footing for any type of travel at low water. Some of these mud areas have insufficient water, even at high tide, to support skiffs drawing more than two feet of water.

At high water these areas are large shallow areas of water that can become very choppy with strong winds. There are scattered shell piles throughout the areas that makes small boat travel very hazardous to anyone crossing these areas at high water.

The outer shore of Hog and Parramore Islands is sand that held its position well during hurricane Donna of September, 1960. Numerous measurements were made from fixed objects to the present shoreline to determine the shoreline delineation on the photographs.

The quality of the photography is good. Most single pile structures can be identified on the nine lens photographs. It is believed that enough photographic tones have been labeled to clarify all tones for the compilers.

3. HORIZONTAL CONTROL-

All stations, indicated on the Project Diagram, have been searched for. Those that were desired to be identified were all recovered and identified except CHIMNEY, NORTHEAST GABLE OF SHACK, 1934. This station is destroyed and was replaced with topographic station CUTE, 1961. CUTE, 1961 will furnish control if desired as a fix was observed from it as well as it was referenced to a photograph point.



The following stations are lost or destroyed and reported on Form 526;

DRAW, 1933

Great Machipongo River Bl. Beacon No. 3, 1934

Great Machipongo River Red Beacon No. 2, 1934

Great Machipongo River Channel Lt., 1933

CUNJER CHANNEL LIGHT, 1937

SLOOP, 1910

Little Machipongo Inlet, North Inlet Light, 1933

PONGO, 1934

SOUTHWEST GABLE OF OLD TWO STORY HOUSE, 1934

Revels Island, West Gable Chimney, 1934

LITTLE MACHIPONGO INLET, COAST GUARD TOWER, 1937

CHIMNEY, NORTHEAST GABLE OF SHACK, 1934

4. VERTICAL CONTROL-

Tidal bench mark 1, map 11686 was recovered and identified.

The following bench marks are lost;

Tidal bench marks 1, 2 and 3 all of 1947, Revel Creek, Little Machipongo Inlet, Lat. 37-29.8 and Long. 75-41.0

Tidal bench mark 3, 1914, Little Beach Cove, Little Powder Tub Creek, Parramore Island, Lat. 37-31.9 and Long. 75-39.3

5. CONTOURS AND DRAINAGE-

Drainage consists of small streams and ditches. Those that were considered of sufficient size have been delineated. There are some few flat areas that will occasionally flood but there is no real swamp of importance.

6. WOODLAND COVER-

The tree areas are mostly pine with some few areas interspersed with hardwoods.

7. SHORELINE AND ALONGSHORE FEATURES.

The shoreline is mostly apparent. Very often there is a fringe of Sea Oars or Sea Oats sometimes fifty or more feet in width at the offshore edge of the marsh. This type of grass may reach a height of three to four feet during the summer and fall months and then be killed out during the winter season.

This can cause the apparent shoreline to change with the seasons. However as the grass is growing in these areas most of the year, the apparent shoreline was delineated along the outer edges of it.

There is a submerged telephone cable between the islands of Parramore and Hog. The approximate underwater position of this cable has been delineated on the photographs. This position could be several hundred feet in error as the position was determined by verbal information from the Hog Island Coast Guard Personnel.

### 8. OFFSHORE FEATURES-

There are no offshore features of any size. There are thousands of small stakes scattered over the mud flats that mark either some small channel or beds of oysters.

### 9. LANDMARKS AND AIDS-

Landmarks and aids are reported on Form 567. The black and white prints of the color photography were field inspected to verify or correct the office identification of the aids to navigation. Fixed aids not identified on the photographs have been located using ground survey methods.

### 10. BOUNDARIES, MONUMENTS AND LINES-

The corporate limits of Nassawadox, Virginia have been delineated on single lens ratio print 59W 9297 as far as possible to do so. Some of the southern boundary will need to be projected from an enclosed plat.

An enclosed map of Accomac County will show the mapped position of the line between Accomac and Northampton Counties. Information from the County Court Clerks of these two counties failed to reveal any information concerning a legal description. The division line was established in 1663 and any legal action concerning it has probably been lost in the files of three hundred years. The county court clerks advise that the best place to obtain such information is with the Virginia Department of Highways.

A branch office of this department was visited at Accomac, Virginia. Information obtained from this branch office indicates that their maps are compiled from old federal maps and records. It appears as no one is positive as to just where this line is. The Virginia Highway Department position their highway county line markers by a scaled distance from a map, of the enclosed type. There is a possibility that there is a description of this line somewhere in the files of the Northampton Court House, but no more investigations will be made unless instructed to do so.

#### 11. OTHER CONTROL-

Three previously marked topographic stations were searched for but not found. This information is reported on Forms 524.

The following is a list of new topographic stations established.

BOSS	HANG	GABE
BOOM	GONE	GOUT
BUNT	MORE	WIND
DUNE	GRAY	HELP
HAND	CUTE	HURT
CUPOLA	RUIN	SHED

#### 12. OTHER INTERIOR FEATURES-

All roads and buildings have been inspected and classified according to current instructions.

There are no bridges or cable clearances required.

#### 13. GEOGRAPHIC NAMES-

No systematic investigation was made and no errors found in the geographic names.

#### 14. SPECIAL REPORTS AND SUPPLEMENTAL DATA-

The following map and plat is enclosed;

Accomac County Map

Nassawadox Corporate Limits.

No changes are recommended for the Coast Pilot.

11  
(5)

It is not believed that notes to the compiler would be of any aid in the compilation.

The field photographs and all other data for the compilation of these maps are being transmitted by transmittal letter 62-1J dated 28th July, 1961

Respectfully submitted,  
July 28, 1961

*Elgan T. Jenkins*  
Elgan T. Jenkins  
Chief of Party 726



COMPILATION REPORT T-11685

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11688.

31. DELINEATION

The graphic method was used.

The photographs were sufficiently clear, but generally of poor scale. Photograph 60579 which falls to the east on manuscript T-11686 was of good scale and was used for most of the delineation. The single-lens photographs were used principally for the inshore inspection appearing thereon. All shoreline was taken from nine-lens photographs 60579 and 60580. Field inspection was adequate. The inshore limits of delineation was established by the Tampa Office subsequent to receipt of Office Instructions Amendment II, dated September 29, 1961, which changed the project from planimetric to shoreline mapping.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been delineated as shown photographically and according to field inspection notes.

35. SHORELINE AND ALONGSHORE DETAILS

Mean high-water and low-water lines, and alongshore structures were delineated from field inspection notes. Inspection was adequate.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

Two topographic stations were established. Both are building gables. Form 524 is submitted and the stations listed under item 49.

39. JUNCTIONS

A satisfactory junction has been made with T-11686 on the east and T-11689 on the south. There is no contemporary survey to the north or west.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U. S. Army Map Service quadrangle NASSAWADOX, scale 1:25,000, copied in 1947 from 1:31,680 "Nassawadox, 1942". Comparison was favorable.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with nautical chart 1221, scale 1:80,000, 8th edition, revised to October 28, 1961. Due to the small scale of the chart only a general comparison of the shoreline was made. This was favorable.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

*Rudolph Dossett by*  
Rudolph Dossett, *Wagner*  
Carto Photo Aid

APPROVED AND FORWARDED -4 OCT 1963

*V. Ralph Sobieralski*  
V. Ralph Sobieralski  
Tampa District Officer



June 22, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-5907 (Virginia)

T-11685

Brick House Neck  
Fowling Point  
Greens Creek  
Hog Island Bay  
Machipongo River  
Phillips Creek  
Red Bank  
Red Bank Creek  
The Hammocks  
Thomas Wharf  
Upshur Creek

Approved:

A. J. Wraight  
A. Joseph Wraight  
Chief Geographer

Prepared by:

Frank W. Pickett  
Frank W. Pickett  
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

The following is a list of topographic stations which may be of use to the hydrographer:

SHED 1961 (S. E. gable)

Ruin 1961 (N. gable)

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
50		T- 11685			
1. PROJECTION AND GRIDS WHS		2. TITLE WHS		3. MANUSCRIPT NUMBERS WHS	
		4. MANUSCRIPT SIZE WHS			
		5a. Classification label <u>Unclassified</u>			
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY WHS		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) WHS		
	7. PHOTO HYDRO STATIONS XX	8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT MMS	
	11. DETAIL POINTS WHS				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE WHS	13. LOW-WATER LINE WHS	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES XX	
	16. AIDS TO NAVIGATION XX	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES WHS		
	19. OTHER ALONGSHORE CULTURAL FEATURES WHS				
PHYSICAL FEATURES	20. WATER FEATURES WHS		21. NATURAL GROUND COVER WHS		
	22. PLANETABLE CONTOURS XX		23. STEREOSCOPIC INSTRUMENT CONTOURS XX		
	24. CONTOURS IN GENERAL XX		25. SPOT ELEVATIONS XX		
	26. OTHER PHYSICAL FEATURES WHS				
CULTURAL FEATURES	27. ROADS WHS	28. BUILDINGS WHS	29. RAILROADS XX		
	30. OTHER CULTURAL FEATURES WHS				
BOUNDARIES	31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX		
MISCEL- LANEOUS	33. GEOGRAPHIC NAMES WHS			34. JUNCTIONS WHS	
	35. LEGIBILITY OF THE MANUSCRIPT WHS	36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT WHS	
	38. FIELD INSPECTION PHOTOGRAPHS WHS		39. FORMS WHS		
	SIGNATURE OF REVIEWER <i>William H. Shearouse</i> William H. Shearouse		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Milton M. Slawney</i> Milton M. Slawney		
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT-Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.					
SIGNATURE OF COMPILER			SIGNATURE OF SUPERVISOR		

## REVIEW REPORT T-11685

## SHORELINE

November 12, 1973

61. GENERAL STATEMENT

See Summary on page 6 of this Descriptive Report.

No comparison print was made for this map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with Survey T-8174, 1:20,000 scale, dated 1943. Some shoreline differences were noted but they were not considered significant.

T-11685 supersedes previous topographic surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with AMS SHEET 5858 IV NE, NASSAWADOX, VA, scale 1:25,000, dated 1947. T-8174 was the origin of this map and differences noted were the same.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic surveys were available for comparison.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 1221, scale 1:80,000, 16th edition, dated Sept. 11, 1971. No significant differences were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

The Photogrammetric Plot Report, which usually states the accuracy of control used for compilation, was not available for final review and no accuracy statement was made in the Compilation Report. No accuracy test was run in the field. However, there is no reason to believe that accuracy is substandard.

Reviewed by:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer

Approved for forwarding:

*Jeff Carlen*

Jeffrey G. Carlen, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:

*Alfred C. Holmes*

Alfred C. Holmes, RADM, NOAA  
Director, Atlantic Marine Center

Approved:

*AK Thompson*

Chief, Photogrammetric Branch

*James L. ...*

Chief, Coastal Mapping Division