

Original

T-11673

T-11673

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-11673
Field edited map	
LOCALITY	
State	VIRGINIA
General locality	ACCOMACK COUNTY
Locality	FOLLY LANDING
1959-62	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
V.R. Sobieralski, Tampa District Officer	
<del>Alfred G. Holmes, Director, AMC</del>	
LIBRARY & ARCHIVES	
DATE	JUL 1975

USCOMM-DC 5087

## DESCRIPTIVE REPORT - DATA RECORD

T - 11673

## PROJECT NO. (ii):

PH-5907

## FIELD OFFICE (iii):

Accomac, Virginia

## CHIEF OF PARTY

Joseph K. Wilson

## PHOTOGRAMMETRIC OFFICE (iii):

Tampa, Florida

## OFFICER-IN-CHARGE

V. Ralph Sobieralski

## INSTRUCTIONS DATED (ii) (iii):

Field: 10/20/59  
Amendment 1: 4/26/60  
Office: 12/28/60  
Amendment 1: 8/10/61  
Amendment 2: 9/29/61

## METHOD OF COMPILATION (iii):

Graphic

## MANUSCRIPT SCALE (iii):

1:10,000

## STEREOSCOPIC PLOTTING INSTRUMENT SCALE (iii):

Inapplicable

## 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): MHW

~~MEAN SEA LEVEL~~ 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):

ACCOMAC, 1942

## LAT.:

37°43'01.736" (53.5m)

## LONG.:

75°40'30.529" (747.7m)

☒ ADJUSTED☐ UNADJUSTED

## PLANE COORDINATES (iv):

= 516,054.67 FT.

x = 2,817,005.51 FT.

## STATE

Virginia

## ZONE

South

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): E. T. Jenkins, M.A. Stewart		DATE: Sept. 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  Air photo compilation      Date of photography: 10/13/59		
PROJECTION AND GRIDS RULED BY (IV): A. Riley		DATE Jan. 1962
PROJECTION AND GRIDS CHECKED BY (IV): I. Y. Fitzgerald		DATE Mar. 1962
CONTROL PLOTTED BY (III): V. P. Cackowski		DATE Mar. 1962
CONTROL CHECKED BY (III): R. R. Wagner		DATE Mar. 1962
RADIAL PLOT <del>OR STEREOSCOPIC CONTROL/EXTENSION</del> BY (III): R. R. Wagner		DATE May 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III): Inapplicable	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): V.P. Cackowski " Reviewed by: R. R. Wagner		DATE July 1962 December 1962
SCRIBING BY (III): V. P. Cackowski Reviewed by: W. H. Shearouse		DATE Jan. 1963 " "
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): W. H. Shearouse		DATE March 1963
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS 9 lens

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60463	10/13/59	1027	1:10,000	0.1 ft. above MLW
60464	"	"	"	" " "
60465	"	1028	"	" " "
60473	"	1034	"	" " "

Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Sandy Hook, New Jersey		4.6	5.6
SUBORDINATE STATION: Metomkin Inlet	H.W. -0.9 L.W. 0.0	3.7	4.5
SUBORDINATE STATION:			

Atlantic Marine Center  
REVIEW BY (IV):

C. H. Bishop

DATE: Oct. 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: 0 IDENTIFIED: 0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None

REMARKS:

## COMPILATION RECORD

## COMPLETION DATE

## REMARKS

Alongshore area for hydro	June 1962	Superseded
Alongshore area revised from field edit	Nov. 1962	Superseded
Interior details added Manuscript complete	Dec. 1962	Superseded
Final Review	Oct. 1973	

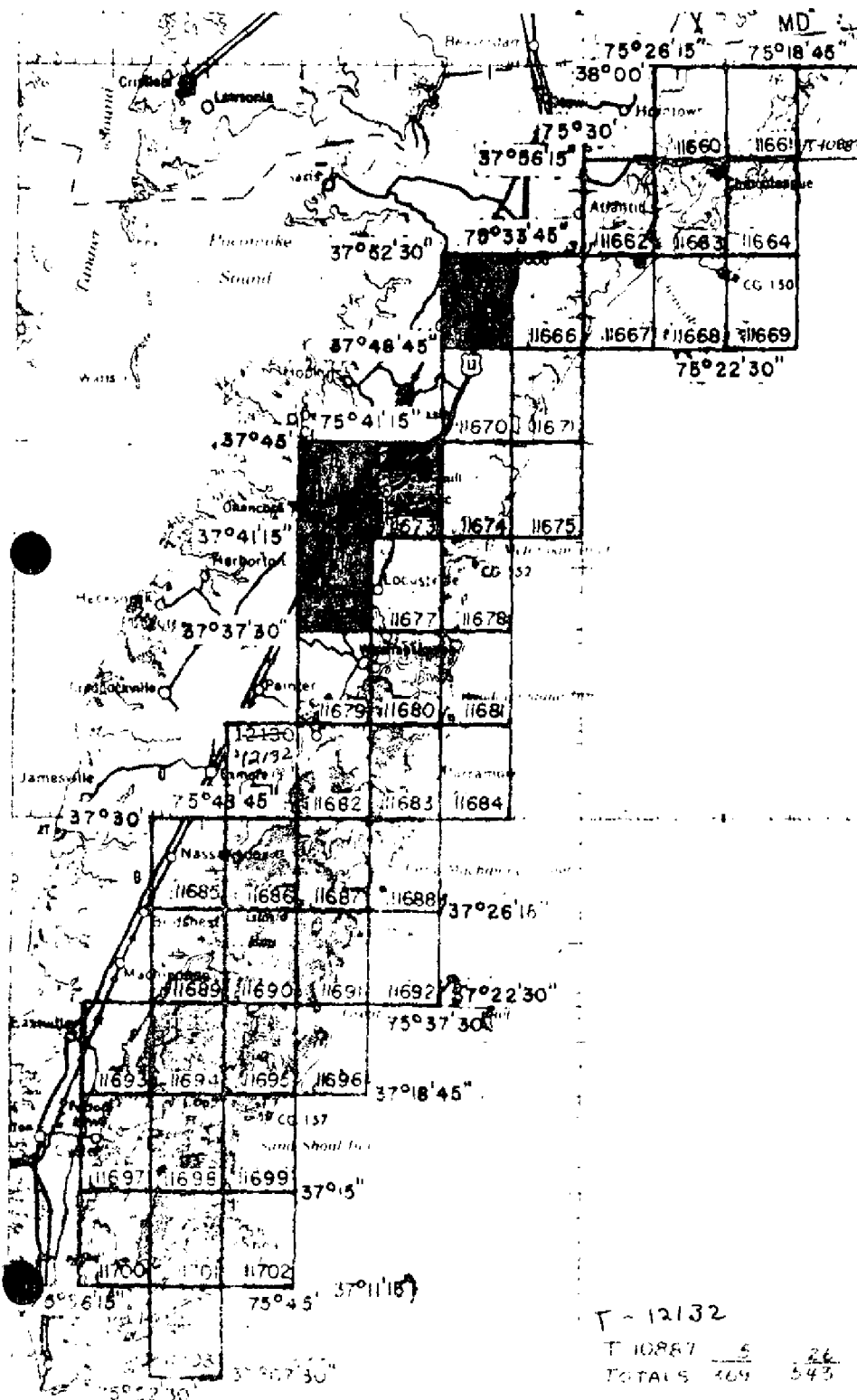
# PH-5907

5

## CAPE CHARLES TO ASSATEAGUE, VA

### Planimetric Mapping Scale 1:10,000

OFFICIAL MILEAGE  
FOR COST ACCOUNTS



Sheet No.	Area Sq. Mi.	Lin. Mi Shoreli.
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
<del>11674</del>	<del>8</del>	<del>16</del>
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	10
11695	4	10
11696	4	9
11697	11	20
11698	6	16
11699	4	13
11700	8	10
11701	8	14
11702	4	11
11703	6	23

T-12132

T-10887 5 26  
TOTALS 469 343

11 5 4

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-11673

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 October 1961 on 9-lens photographs.

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

Single lens photographs, taken after a hurricane which occurred in March 1962, were used for comparison purposes, but no changes were made.

Field edit was done in October 1962 and corrections were applied to the manuscript before scribing.

Final review was done at the Atlantic Marine Center in October 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  
MAPS 11672 through 11675  
PROJECT PH-5907

2. Areal Field Inspection.

These maps are located along the eastern shore of Virginia, in Accomack County. Maps 11672 and 11673 are located along the mainland. Maps 11674 and 11675 cover a part of the mainland together with Metomkin Bay and a part of Metomkin Island. The town of Onancock and a part of the town of Onley are located in map 11672. The county seat of Accomack County, a town of the same name, is located in map 11673. The mainland area is devoted exclusively to truck farming and has no other industry of any size. This area is served by U.S. Highway 13 and numerous secondary roads connecting thereto. The Pennsylvania railroad crosses maps 11672 and 11673. The mainland portion of map 11674 is also devoted to truck farming. Metomkin Bay covers a considerable portion of map 11674. This is a shallow body of water and has large areas of mud flats and shoals. The Intracoastal Waterway crosses Metomkin Bay in a north-south direction. This channel is accessible for boats of shallow draft only. The land area of map 11675 is a part of Metomkin Island. This is a narrow stretch of sand beach, with low dunes, separating Metomkin Bay from the Atlantic Ocean. The land area of map 11675 is not inhabited.

Field inspection is believed complete and was performed on the following 1:10,000 scale nine-lens photographs; 60442, 60443, 60444, 60463, 60464, 60465, 60473, 60474, 60475, 60527, 60528 and 60529. Single lens photographs, scale 1:30,000, numbered 59W9283 and 59W9285 were used for field inspection in the northwest corner of map 11672. Single lens photograph, ratio print, scale 1:10,000 was also used for field inspection. In addition to the above, black and white prints of color photography were used to verify office identification of fixed aids to navigation. These photographs are numbered as follows; 59W9617 through 59W9623.

The photography was of good quality and no difficulty was encountered in their interpretation in the field. The tone changes ranged from white, in the sand areas, to grey, in the grassy areas, to black, in the areas covered with marsh or trees.

No items were deliberately left for field edit.



### 3. Horizontal Control.

All Coast and Geodetic Survey control stations were searched for. The requirements for control, as indicated by a copy of the project diagram, were adequately met for these maps. No supplemental control was established.

The following stations were reported lost;

11672

none

11673

none

11674

North Temporary Banner 1934

Chincoteague to Hog Island (Metomkin Bay) Beacon 9 (Black) 1934

Chincoteague to Hog Island (Metomkin Bay) Beacon 8 (Red) 1934

Chincoteague to Hog Island (Metomkin Bay) Beacon 5 (Black) 1934

11675

none

### 4. Vertical Control.

Five tidal benchmarks were recovered in map 11672. They are Onancock, Onancock Creek, Chesapeake Bay Tidal Bench Marks 1 (1914), 3 (1914), B36 (USGS) (1929), 4n (1957) and R85 (1935).

### 5. Contours and Drainage.

Contours are inapplicable.

The tidal streams are self-evident from the photographs. The drainage along the mainland area has been indicated on the photographs.

### 6. Woodland Cover.

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

### 7. Shoreline and Alongshore Features.

The mean high water line along the ocean was located by measurement from identifiable photo. points, except for the areas around the inlets. The water has swept over these areas and points are not identifiable. The mean high water line around the inlets has been indicated as photographed. All charts having inlet areas therein should carry the notation "shoreline subject to frequent change".

The apparent shoreline was inspected by skiff running close to shore and has been indicated on the photographs.

The foreshore along the ocean is sand. There are no bluffs or cliffs.

Item 7 Cont'd.

Shore ends of submarine cables have been indicated on the photographs.

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

Other shoreline structures have been clarified.

8. Offshore Features.

The shoal areas in Metomkin Bay were visited during field inspection. Notes concerning these areas have been made on the Photographs.

9. Landmarks and Aids.

Landmarks for nautical charts and fixed aids to navigation are adequately covered by Form 567. This form is submitted with the field data for these maps.

There are no aeronautical aids within these maps.

10. Boundaries, Monuments and Lines.

The only boundaries affecting these maps are corporate limits of Onancock, Accomac and Onley. A tracing of the official map of Accomac included with the field data. The map lists bearings and distances referenced to triangulation station ACCOMAC 1942 and will give the compiler no trouble. The approximate limits of Onancock has been indicated on photograph 59W9285. A copy of the official map is also included. See item 10 of Field Inspection Report submitted for maps 11676, 11677 and 11678 for discussion of corporate limits for Onley. This report was submitted to Washington on 27 September 1961.

11. Other Control.

The following recoverable topographic stations were selected for location by the plot; Bean 1961, Huge 1961, Tower 1961, East Gable, Red Shack with White Roof 1961 and Center of Roof of Unpainted Shack 1961.

12. Other Interior Features.

All roads were inspected and have been classified in accordance with Photogrammetry Instruction No. 54.

All buildings were inspected and have been indicated in accordance with Photogrammetry Instruction No. 56.

There are no bridges or cables over navigable water.

There are no airports or landing fields.

13. Geographic Names.

A systematic investigation of names was not required.  
No new names are recommended for mapping.

14. Special Reports and Supplemental Data.

City map of Accomac, submitted with this data  
City map of Onancock, Submitted with this data  
Form 567, submitted with this data  
Letter of transmittal, submitted with this data

Submitted,

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

MAP T-11673

PROJECT NO. *06 5907*

SCALE OF MAP 1:10,000

SCALE FACTOR

[illegible]

COMPILATION REPORT  
T-11673

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11680

31. DELINEATION

The graphic method was used.

The manuscript was delineated from 1959-9 lens photography of good scale. April 1962 infrared photography covers the east edge of the manuscript and was used for comparison; there were no changes apparent.

Field inspection was good.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage was evident.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate.

All features indicated by the field inspection were delineated accordingly. The low-water lines were determined from field inspection and office interpretation.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A junction has been made with T-11674 to the east and T-11677 to the south. No contemporary surveys exist on the north and west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS quadrangle ACCOMAC scale 1:24,000 published in 1957. No major discrepancies were noted.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with Chart No. 1221 scale 1:80,000, 9th edition, revised to March 12, 1962. Only minor changes were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*V. P. Cackowski*

V. P. Cackowski  
Carto Photo Aid

APPROVED AND FORWARDED: 17 APR 1963

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

June 22, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-5907 (Virginia)

T-11673

Folly Creek

Folly Landing

Ross Branch

Parker 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

None.

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW T- 11673		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS WHS		2. TITLE WHS unclassified		3. MANUSCRIPT NUMBERS WHS	4. MANUSCRIPT SIZE WHS
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) XX		
	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 William H. Shearouse		SIGNATURE OF SUPERVISOR REVIEW SECTION OR UNIT Milton M. Slavney		
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 Vincent P. Cackowski		SIGNATURE OF SUPERVISOR Milton M. Slavney			

USE REVERSE SIDE FOR REMARKS

USCMM-DC 25353-P61

FIELD EDIT REPORT

Field edit was done by Wm. M. Reynolds in Oct. 1962. Corrections consisted of corrections to alongshore structures, such as "pier ruins" originally compiled as "pier" and the addition of overhead power line crossing. The FIELD EDIT SHEET(ozalid) bears a note "shoreline was checked visually and appears good".

No Field Edit Report has been received.

Tampa

## REVIEW REPORT T-11673

## SHORELINE

October 16, 1973

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey T-8441, 1:20,000 scale, dated 1942. Numerous small differences in shoreline were noted. These were to be expected, considering the difference in scale of the maps and difference in office interpretation of two sets of photographs taken 20 years apart. No comparison print was made.

In the area compared, T-11673 supersedes all previous topographic surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle METOMPKIN INLET, VA., 1:24,000 scale, dated 1957. No significant differences were noted.

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. The difference in scale makes comparison meaningless.

66. ADQUACY 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 was sub-standard. It is believed that this map is adequate for photo-hydro support and nautical chart construction.

Reviewed by:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer

Approved for Forwarding:

*Merwin J. Umbach*

Merwin J. Umbach, CDR, NOAA  
Chief, Coastal Mapping Division, ACM

Approved:

*Alfred C. Holmes*

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

Approved:

*Raymond Wood*

Chief, Photogrammetric Branch

*James C. Keller*

Chief, Coastal Mapping Division