

Original

F-11670

F-11670

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. 11670
Field edited map	
LOCALITY	
State	VIRGINIA
General locality	ACCOMACK COUNTY
Locality	WHITES CREEK
1959-62	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
V.R. Sobieralski, Tampa District Officer	
Alfred C. Holmes, Director, AMC	
LIBRARY & ARCHIVES	
DATE	JUL 1975

USCOMM-DC 5067

DESCRIPTIVE REPORT - DATA RECORD

T -11670

PROJECT NO. (II):

PH-5907

FIELD OFFICE (II):

Accomac Virginia

CHIEF OF PARTY

Joseph K. Wilson

PHOTOGRAMMETRIC OFFICE (III):

Tampa District Office

OFFICER-IN-CHARGE

V. Ralph Sobieralski

INSTRUCTIONS DATED (II) (III):

Field: Oct. 20, 1959
Field Amendment-1: Apr. 26, 1960
Office: Dec. 28, 1960
Office Amendment-1: Aug. 10, 1961
" " 2: Sept. 29, 1961

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):

PARKSLEY, TANK, 1942

LAT.: / / / /
37°47'04.281"(132.0m)LONG.: / / / /
75°39'01.675"(41.0m)☒ ADJUSTED
☐ UNADJUSTED

PLANE COORDINATES (IV):

y = 540,790.51 Ft

x = 2,823,401.40 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.

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

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III): M. A. Stewart		DATE: Oct. 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation Photographs dated: Oct. 13, 1959 and Apr. 28, 1962		
PROJECTION AND GRIDS RULED BY (IV): A.R. (W.O.)		DATE April 1962
PROJECTION AND GRIDS CHECKED BY (IV): A.R. (W.O.)		DATE April 1962
CONTROL PLOTTED BY (III): None		DATE
CONTROL CHECKED BY (III): None		DATE
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. R. Wagner		DATE May 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III): Inapplicable	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R. E. Smith Reviewed by: W. H. Shearouse		DATE May 1962 June 1962
SCRIBING BY (III): R. D. Purvis Reviewed by: R. R. Wagner		DATE Jan. 1963
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): W. H. Shearouse		DATE Mar. 1963
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS 9 lens and single lens Wild W

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62-W-3849	4/28/62		1:20,000	--
62-W-3850	"		"	--
60476	10/13/59	10:35	1:10,000	Inland sheet
60478	"	10:36	"	" "

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Inapplicable			
SUBORDINATE STATION:			
SUBORDINATE STATION:			

Atlantic Marine Center
WORK CHECKED BY (IV):

C. H. Bishop

DATE:

10-12-73

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): 0

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

REMARKS:

* Falls west of project limit

COMPILATION RECORD

COMPLETION DATE

REMARKS

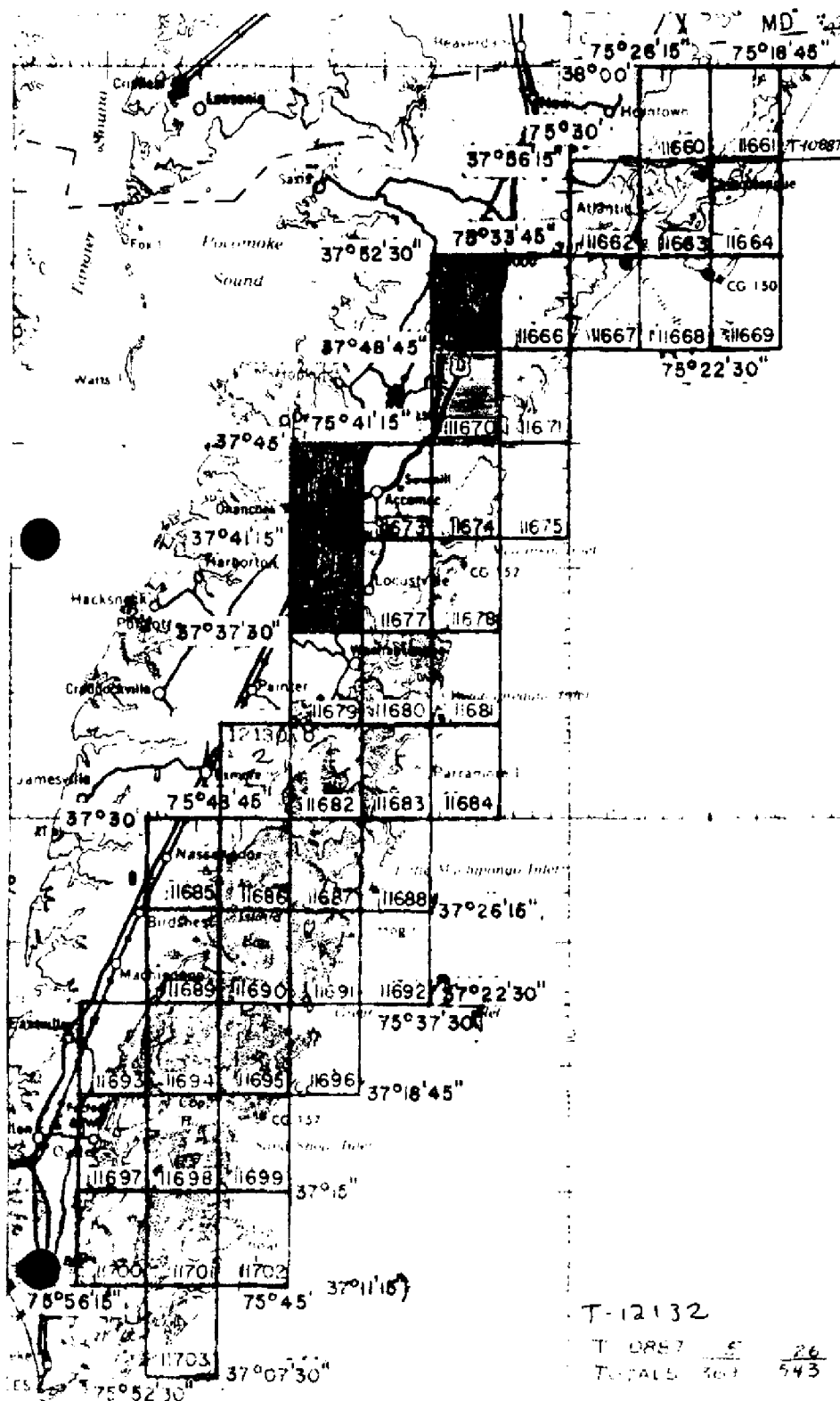
Compiled	June 1962	Superseded
Alongshore field edit, Compilation complete	June 1962	Superseded
Final Review	October 1973	

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. Shorelin
11660	6	10
11661	6	15
11662	13	19
11663	7	23
11664	8	16
11665	17	0
11666	16	8
11667	7	8
11668	1	1
11669	1	4
11670	16	1
11671	8	15
11672	17	0
11673	16	5
11674	8	16
11675	1	4
11676	16	0
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	1	11
11691	4	16
11692	2	3
11693	11	11
11694	6	10
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-0887 5

TOTALS 307 543

11-9-61

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-11670

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 on 9-lens photographs in October 1961.

Compilation was based on control established by a radial plot using 9-lens photography of October 13, 1959. The Photogrammetric Report was not bound with this Descriptive Report.

Single lens photographs, taken after a severe storm which occurred in March 1962, were used in conjunction with the 9-lens photographs for compilation of this map.

Field edit was done in June 1962. No changes were made.

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 11665, 11666, 11670 and 11671
PROJECT PH-5907

2. Areal Field Inspection.

These maps are located along the eastern shore of Virginia, in Accomac County. The area is primarily rural and the principal industry is truck farming. Maps 11665 and 11670 are located along the mainland. Maps 11666 and 11671 are partially mainland and partially areas of marsh, water and islands separating the mainland from the Atlantic Ocean. Parts of Metomkin Island and all of Assawaman Island are located in maps 11666 and 11671. These islands are uninhabited and consist of low stretches of sand and marsh. The area is served by U.S. Highway 13 and numerous secondary state and county roads. The Pennsylvania Railroad crosses map 11665 and is just west of map 11670. The Intracoastal Waterway crosses maps 11666 and 11671. The waterway is shallow and usable by shallow draft boats only. The only urban areas are the settlements of Bloxom, Hallwood, Nelsonia and Mappsville located in map 11665. The settlements of Assawaman and Conquest Corners are located in map 11666 and the settlements of Gargatha and Modest Town are located in map 11670. All of the settlements are small farming communities and have no other industry.

The photography was taken in October of 1959 and was of good quality. No difficulty was encountered in their interpretation in the field. The tone changes ranged from white, in the sand areas, to grey, in the areas of grass, to black, in the areas covered by marsh or trees.

Field inspection is believed complete and was performed on 1:10000 scale nine-lens photographs. The photographs containing field inspection information are; 60447 through 60451, 60456 through 60462, 60476 through 60482 and 60524 through 60527. No items were deliberately left for field edit.

3. Horizontal Control.

All Coast and Geodetic Survey Control Stations were searched for. One station, BALL 1961, was established by closing two triangles from previously established stations. The closures of the triangles were satisfactory. The position of the new station was computed but no adjustment was made.

The identification of control, as indicated by a copy of the project diagram, was adequately met for these maps.

Item 3, Horizontal Control Cont'd.

The following stations were reported lost;

11665	11670
none	none
11666	11671
ASSAWAMAN 4 1934	Chincoteague to Hog Island,
ASSAWAMAN CREEK SHACK, EAST CABLE	Kegotank Bay, Beacon No. 4, Red
CHIMNEY 1934	1934
WATCH HOUSE 1902	Chincoteague to Hog Island,
11671	Kegotank Bay, Beacon No. 6, Red
KEGOTANK 1909	1934
Kegotank Bay Shack on Piles 1934	Drums Farmhouse South Chimney
Kegotank House Boat East End 1934	1909
Old House With Six Windows, Center Chimney	1909

4. Vertical Control.

There are no tidal bench marks within these maps.

5. Contours and Drainage.

Contours are inapplicable.

The tidal streams are visible on the photographs. The drainage along the mainland areas of these maps has been indicated on the photographs.

6. Woodland Cover.

All woodland cover was inspected and has been classified on the photographs.

7. Shoreline and Alongshore Features.

The mean high water line along the Atlantic Ocean was located by measurement from identifiable photo. points. Identifiable points around the inlets could not be found due to the water having swept across the low sand areas. The mean high water line around the inlets has been indicated as photographed. All maps with inlets located therein should carry the notation "Shoreline Subject To Frequent Change".

The apparent shoreline in the marsh areas 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.

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

There are no submarine cables within these maps. The cable area across Gargathy Inlet, chart 1221, has been removed. This cable was a Coast Guard Telephone Line. The line now enters Metomkin Inlet Coast Guard Station, map 11678, from the mainland to the west.

All other shoreline structures have been clarified.

8. Offshore Features.

The shoal areas around Gargathy Inlet and the spoil areas in Kegotank Bay were visited during high water. Appropriate 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 this data.

There are no aeronautical aids within these maps.

10. Boundaries, Monuments and Lines.

The entire area is within Accomac County, Virginia. The only boundaries affecting these maps are the corporate limits of Bloxom in the southwest corner of map 11665 and the limits of the mainland portion of Wallops Island National Aeronautics And Space Administration Reservation in the northeast corner of map 11666. The corporate limits of Bloxom has been indicated on photograph 60449 and a print of the official map is enclosed. The limits of the mainland area of Wallops Island National Aeronautics And Space Administration Reservation has been indicated on photograph 60482. The agency did not have a map showing the overall limits. Copies of prints showing the limits across four individual pieces of property are enclosed. The limits as indicated on photo. 60482 were made with the aid of personnel of NASA and by the fence around the northwesterly side of the property.

11. Other Control.

The following recoverable topographic stations were identified for location by the plot;

11665
none
11670
none

11666
BULL 1961
North Gable, Two Story
House with Twin Chimneys

11671
DINE 1961
MUST 1961
WILD 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 airports or landing fields within the area.

13. Geographic Names.

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

14. Special Reports and Supplemental Data.

1 print, town of Bloxom, submitted with this report
4 prints, limits of mainland portion of NASA Reservation
across 4 individual pieces of property, submitted with
this report
Form 567, submitted with this report
Letter of Transmittal, submitted with this report

Submitted,

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

MAP T-11670

PROJECT NO. Ph 5907

SCALE OF MAP 1:10,000

SCALE FACTOR

[illegible]

1 FT. = 3048006 MICRONS

COMPUTED BY

METER R.R.W.

DATE _____

Feb 1962-

CHECKED BY.

VPC

DATE _____

3/20/62

COMM-DC-57843

COMPILATION REPORT
T-11670

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11680

31. DELINEATION

The graphic method was used. Photographs were clear and of good scale.

Field inspection was adequate.

32. CONTROL

See Photogrammetric plot report

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line was delineated according to field inspection (done on the 1959 9-lens) and office interpretation of 1962 single-lens photographs. The approximate low water line has been shown from office interpretation of the photographs.

The shoreline inspection was adequate.

36. OFFSHORE DETAILS

Compiled according to field inspection notes.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with T-11674 to the south and T-11671 to the east. Interior details were not compiled to the north and west map limits.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with Corps of Engineers quadrangle MAPPS-VILLE, scale 1:31680 edition of 1942. The two are in fair agreement.

47. COMPARISON WITH NAUTICAL CHARTS

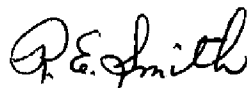
Comparison has been made with chart 1221, scale 1:80,000 edition of March 1962. The two are in fair agreement.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

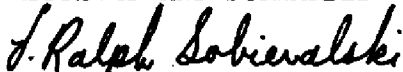
ITEMS TO BE CARRIED FORWARD

None.



R. E. Smith
Carto Photo Aid

APPROVED AND FORWARDED 12 APR 1963



V. R. Sobieralski
Tampa District Officer

June 22, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-5907 (Virginia)

T-11670

Bundick Creek

Crippen Creek

Cutoff Creek

Gargathy Bay

Gargathy Creek

Gargathy Neck

Poplar Creek

Whites Creek

Whites Neck

Approved:

A. J. Wright

A. Joseph Wright
Chief Geographer

Prepared by:

Frank W. Pickett

Frank W. Pickett
Cartographic Technician

T-11670

49. NOTES FOR THE HYDROGRAPHER

None.

FORM 182 (3-61)		50.		PHOTOGRAMMETRIC OFFICE REVIEW		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
		T- 11670					
1. PROJECTION AND GRIDS WHS		2. TITLE WHS 4a Classification label unclassified		3. MANUSCRIPT NUMBERS WHS		4. MANUSCRIPT SIZE WHS	
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY XX		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 XX	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. Slavney</i> 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 Alongshore field edit revealed no changes			SIGNATURE OF SUPERVISOR Milton M. Slavney				

FIELD EDIT REPORT

Shoreline field edit by William M. Reynolds in June 1962 revealed no changes. No field edit report has been submitted.

REVIEW REPORT T-11670

SHORELINE

October 12, 1973

61. GENERAL STATEMENT:

See Summary which is page 6 of this Descriptive Report.

No comparison print was made.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A visual comparison was made with Survey T-8167, 1:20,000 scale, dated 1943. No significant differences were noted.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with AMS SHEET 5859 I SE, MAPPSVILLE, VIRGINIA, 1:25,000 scale, dated 1949. 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 visual comparison was made with Chart 1221, 1:80,000 scale, 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 at the time of final review and no accuracy statement was made in the Compilation Report. However, there is no reason to believe that the accuracy of this map is substandard.

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer

Approved for forwarding:

Meivin J. Umpech
Meivin J. Umpech, CDR, NOAA
Chief, Coastal Mapping Division, AMC

Approved:

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

Approved:

DR Anderson
Chief, Photogrammetric Branch

James L. ...
Chief, Coastal Mapping Division