

13179

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NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline.....

Job No. ...PH-6306..... Map No. T-13179.....

Classification No. Edition No.

Field Edited

LOCALITY

State Alaska.....

General Locality Hoonah Sound & Peril Strait.....

Locality South Arm Hoonah Sound, Head Of.....

1967 TO 1969

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T-13179

PROJECT NO. (II):

PH-6306

FIELD OFFICE (III):

None

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center, Norfolk, VA

OFFICER-IN-CHARGE

Alfred C. Holmes, Director, AMC

INSTRUCTIONS DATED (II) (III):

OFFICE - Sept. 17, 1968

METHOD OF COMPILATION (III):

Wild B-8 Stereo-Plotter

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:15,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

MAR. 3, 1975

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III):

MEAN ~~LOW WATER~~ ^{HIGH 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):

None

LAT.:

LONG.:

☐ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y =

X =

Alaska

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MAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (I) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,
(IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

DESCRIPTIVE REPORT - DATA RECORD

T-13179

FIELD INSPECTION BY (III): None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation - June 8, 1967		
PROJECTION AND GRIDS RULED BY (IV): A. Bethea		DATE Sept. 12, 1968
PROJECTION AND GRIDS CHECKED BY (IV): L. F. Van Scoy		DATE Sept. 23, 1968
CONTROL PLOTTED BY (III): R. White		DATE Oct. 17, 1968
CONTROL CHECKED BY (III): A. Shands		DATE Oct. 17, 1968
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I. I. Saperstein		DATE Oct. 1968
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY By: R. White Reviewed By: A.L. Shands	DATE Nov. 1, 1968 Nov. 1, 1968
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R. White		DATE Nov. 1, 1968
SCRIBING BY (III): C. Parker		DATE 5/12/72
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): C.H. Bishop		DATE 12/13/68
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

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AMERA (KIND OR SOURCE) (III):

Wild RC-8 Universal "L"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67 L 3202	June 8, 1967	09:42	1:30,000	0.2 ft. above MLLW

Predicted	TIDE (III)
100	100
90	90
80	80
70	70
60	60
50	50
40	40
30	30
20	20
10	10
0	0

Diurnal

		RATIO OF RANGES	MEAN RANGE	MEAN RANGE
REFERENCE STATION:	Jumeau, Alaska		13.8	16.4
SUBORDINATE STATION:	Nismeni Cove, Alaska		12.5	15.0
SUBORDINATE STATION:				
WASHINGTON OFFICE REVIEW BY (IV): Bernard Kurs, AMC		DATE: March 16, 1973		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	None	RECOVERED: None	IDENTIFIED: None	
NUMBER OF BM(S) SEARCHED FOR (II):	None	RECOVERED: None	IDENTIFIED: None	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):		None		
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):		None		

REMARKS:

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COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore Area For Hydro	Oct. 1968	Superseded
Field Edit Applied Compilation Complete	June 1970	Superseded
Final Review	March 1973	

Coastal Marine

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT

T-13178 thru 13190

Shoreline surveys T-13178 thru 13190 are part of project PH-6306. The project is located in southeastern Alaska in the Hoonah Sound area adjacent to Peril Straits.

There was no field work preceding the incomplete manuscripts.

Compilation was at 1:10,000 scale mostly by B-8 plotter the remainder by graphic methods. A copy of each manuscript classified "Incomplete" along with ozalids and specially prepared photographs were furnished for the preparation of the boat sheets, location of photo hydro signals and field edit use.

Surveys T-13187 thru T-13189 lacked field edit below 57° 35' and those portions of the manuscripts were declared Class III. Field edit was in 1969. After field edit was applied the manuscripts were scribed, stuck-up and reproduced on cronaflex. Final review was at AMC during March and April, 1973. One cronaflex and negative of the final reviewed manuscripts are being forwarded for record and registry.

FIELD INSPECTION

T-13179

There was no field inspection prior to compilation.

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Photogrammetric Plot Report (Part I)
Job PH-6306
Hoonah Sound and Peril Strait, Alaska

October 1968

21. Area Covered

This report covers Hoonah Sound, Alaska, the area which is covered by 1:10,000 scale T-sheets only. There are thirteen (13) 1:10,000 scale T-sheets, T-13178 thru T-13190. Sheets T-11939 thru T-11942 will be bridged at a later date.

22. Method

Six (6) strips were bridged using analytical aerotriangulation methods. Strips 1 and 2 were 1:60,000 scale panchromatic and strips 4 thru 7 were 1:30,000 scale color. Numerous tie points were located to control the various strips due to lack of horizontal control.

The attached sketch of the strips bridged shows the placement of triangulation used in the final strip adjustments. Closures to horizontal control are shown for each strip on the IBM read-outs, along with all bridge points on Alaska Zone 1 plane coordinates.

23. Adequacy of Control

All horizontal control was premarked, but sparse. Together with tie points the horizontal control is adequate to control the various strips.

It will be noted that this bridge was not run in accordance with instructions for this job. It was intended to bridge the 1:60,000 scale RC-9 "M" photography only and drop compilation points on the color photographs. However, upon examination of the "M" photography it was discovered that much of the premarked control could not be seen because of tree overhang. Some of the stations that were white-washed blended with the rock background and were not discernible.

It was therefore decided to bridge the 1:10,000 scale sheets using the color photography where the premarked stations could be seen.

24. Supplemental Data

Vertical control needed for the adjustment was taken from USGS quadrangles.

25. Photography

The definition and quality of the RC-9 "M" and RC-8 "L" color photography were good. Coverage was adequate to compile all sheets either by stereoscopic plotting instrument or graphically.

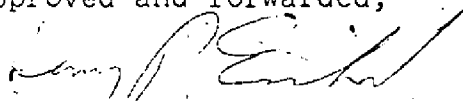
Cronapaque and matte ratio prints have been ordered from the 1:30,000 scale color photographs on black and white base.

Respectfully submitted,



I. I. Saperstein

Approved and forwarded,



Chief, Aerotriangulation Section

NOTES TO COMPILER

Photos 67-L(C)-3181, 3182, 3183 on Strip 5 could not be bridged because of water areas. However, points were dropped from Strip 1 common to points on the above photos so that several offshore islands can be compiled. Models 3181-3182-3183 can be set on the B-8 using positions for these points from Strip 1, (see photos 67-M-692, 693).

Photos 67-L(C)-3212 thru 3215, the southern extension of Strip 4 could not be bridged because of water areas. Sufficient common points between the above photos and Strip 1 were located and transferred to the ratio prints so that sheets T-13189 and T-13190 could be compiled graphically. Positions for these common points can be found on the IBM readout for Strip 1, (see photos 67-M-692 thru 694).

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COMPILATION REPORT

PH-6306

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31. DELINEATION

All details on the manuscript were compiled from the color photography taken at 0.2 ft. above mean lower low water using the Wild B-8 Stereoplotter. There was no field inspection.

32. CONTROL

See Photogrammetric Plot Report, Part 1, dated October, 1968.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

See item 31. The mean high water line, the mean lower low water line, and all other details were compiled from office interpretation of the Photographs.

36. OFFSHORE DETAILS

No offshore details were compiled.

37. LANDMARKS AND AIDS

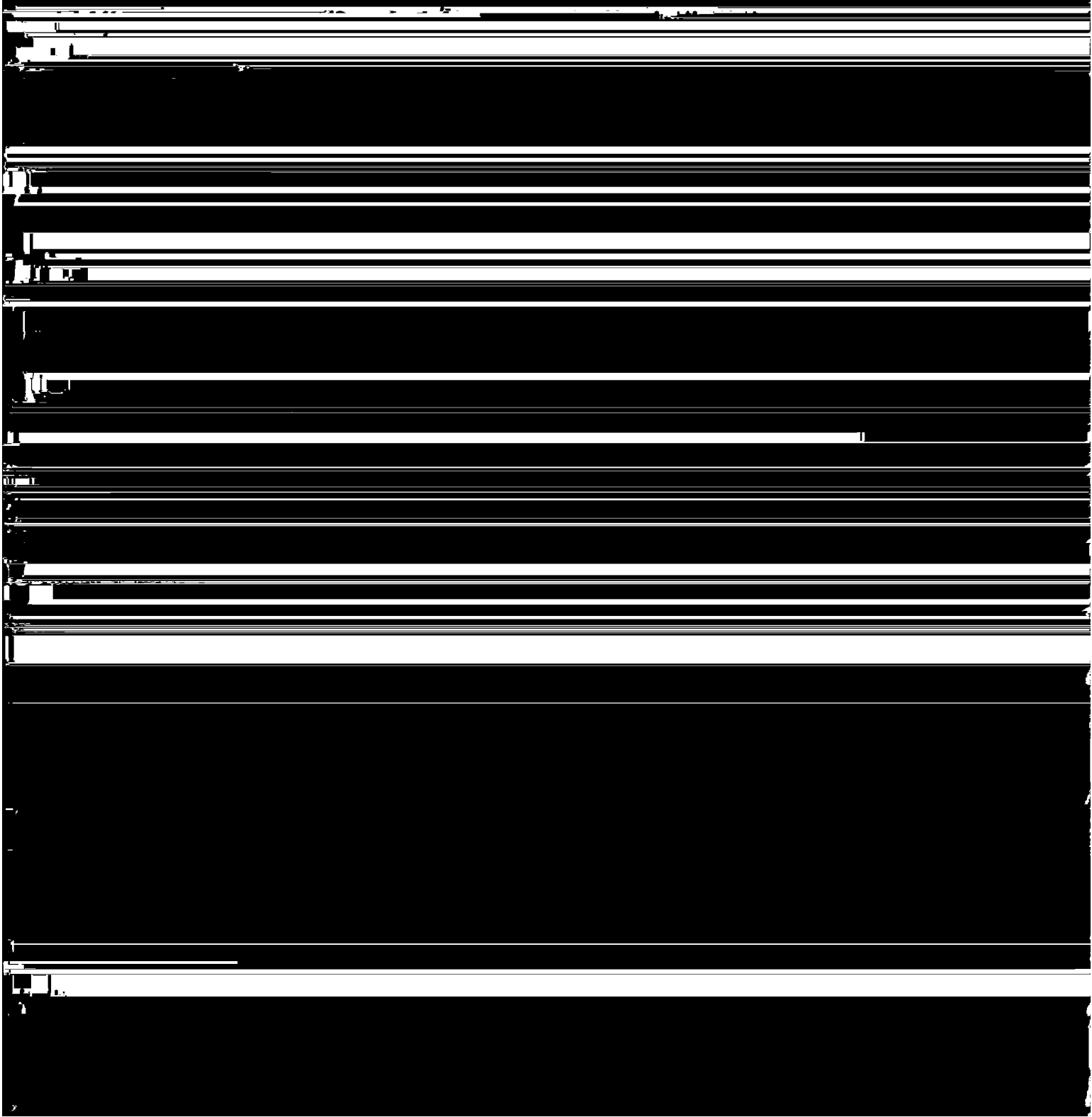
None

38. CONTROL FOR FUTURE SURVEYS

No statement.

39. JUNCTIONS

Junctions are in agreement with T-13178 scale 1:10,000, to



GEOGRAPHIC NAMES

PH-6306 (Hoonah Sound and Peril
Strait, Alaska)

T-13179

- Chichagof Island
- North Arm Hoonah Sound
- South Arm Hoonah Sound

Approved by:



Joseph Wraight
Chief Geographer

Prepared by:

3-22-73

Frank W. Pickett
Cartographic Technician

T-13179

19. NOTES FOR THE HYDROGRAPHER:

NONE

FORM C&GS-1002 (9-66)		U.S. DEPARTMENT OF COMMERCE ESSA COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW T.13179			
1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY None		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) X	
7. PHOTO HYDRO STATIONS X			
8. BENCH MARKS X	9. PLOTTING OF SEXTANT FIXES X	10. PHOTOGRAMMETRIC PLOT REPORT CHB	11. DETAIL POINTS CHB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE CHB	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES X
16. AIDS TO NAVIGATION None	17. LANDMARKS None	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES X
PHYSICAL FEATURES			
20. WATER FEATURES CHB		21. NATURAL GROUND COVER X	
22. PLANETABLE CONTOURS None			
23. STEREOSCOPIC INSTRUMENT CONTOURS None	24. CONTOURS IN GENERAL None	25. SPOT ELEVATIONS None	26. OTHER PHYSICAL FEATURES X
CULTURAL FEATURES			
27. ROADS X	28. BUILDINGS X	29. RAILROADS X	30. OTHER CULTURAL FEATURES X
BOUNDARIES			
31. BOUNDARY LINES None		32. PUBLIC LAND LINES None	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB		34. JUNCTIONS CHB	
35. LEGIBILITY OF THE MANUSCRIPT CHB			
36. DISCREPANCY OVERLAY CHB	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS None	39. FORMS CHB
40. REVIEWER C.H. Bishop		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i>	
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 C. Blood Reviewer: A.C. Rauck, Jr.		DATE 6/70 SUPERVISOR <i>Albert C. Rauck, Jr.</i>	
43. REMARKS			
Field Edit Applied From: Field Edit Ozalid - T-13179 Photo 67 L 3191 Notes in Field Edit Report for T-13180 and on Field Edit Ozalid for T-13180 led to shoreline change at head of South Arm of Hoonah Sound.			

APPROVAL SHEET

for
FIELD EDIT
Hoonah Sound
Alaska
OPR-488

Field edit of the following manuscripts was accomplished under my supervision and are approved for submission.

T-13178 through T-13189

James M. Wintermyer
for John B. Watkins, Jr.
CAPT, USESSA

FIELD EDIT REPORT

Map T-13179

Hoonah Sound and Peril Strait

Head of South Arm, Hoonah Sound

Field edit of map T-13179 was accomplished during September, 1969. Inspection was done from a launch in conjunction with hydrography.

METHOD

Field ratio photographs and a copy of the field edit ozalid of the map manuscript were examined in the field. The mean high water line and shoreline features were verified by visual comparison of the shore area to the field photographs and field edit ozalid, and corrections noted. The submerged rock in the middle of the North Arm at the north end of the map was verified by sextant fix and its position confirmed on boat sheet FA-10-6-69.

Notes have been made in violet ink and pencil on the field edit ozalid.

ADEQUACY OF COMPILATION

Compilation of this map is good. Hydrographic location of features compares well to photogrammetric location.

Field inspection of the map is complete.

RECOMMENDATIONS

It is recommended that the map be revised in accordance with the notes and be accepted as an advance manuscript.

Respectfully submitted,

Martin R. Mulhern

Martin R. Mulhern
ENSIGN, USESSA

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REVIEW REPORT T-13179

SHORELINE

March 16, 1973

61. GENERAL STATEMENT

See Summary which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED SURVEYS

There is no registered survey in this area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S.G.S. Quadrangle Sitka (C-6), Alaska dated 1951 and 1:63,360, scale. There is general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with Verified Survey H-9057 and H-9058 at 1:10,000 scale and dated Sept., 1969. They are in general agreement except for the mean lower low water line at the head of the bay. The photogrammetric mean lower low water line was taken from photos .2 above MLLW (predicted) and is retained on the survey for whatever use it may be to the chart compiler.

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with chart 8252, 1 May 1971, at 1:217,828 scale. There is general agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Reviewed by:

Bernard Kurs
Bernard Kurs
Cartographer

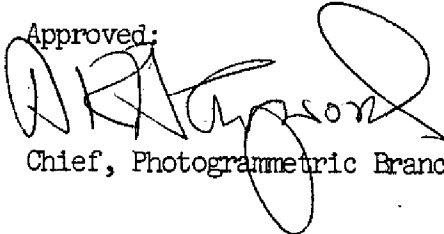
Approved for forwarding:


Melvin J. Umbach
CDR, NOAA
Chief, Coastal Mapping Division, AMC

Approved:


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

Approved:


Chief, Photogrammetric Branch


Chief, Coastal Mapping Division