

13326

13326

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric)

Job No. PH-6306 Map No. T-13326

Classification No. Edition No.
Field Edited

LOCALITY

State Alaska

General Locality Hoonah Sound & Peril Strait

Locality Rodman Bay

1967 TO 1970

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T -13326

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 OFFICE - SUPPLEMENT I - Dec. 1969 OFFICE - AMENDMENT I - Mar. 26, 1970		
METHOD OF COMPILATION (III): Wild B-8 Stereo-Plotter and Graphic		
MANUSCRIPT SCALE (III): 1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:25,000 Pantographed to 1:20,000
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 mean lower low water
REFERENCE STATION (III): None		
LAT.:	LONG.:	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): Y = X =		STATE Alaska ZONE 1
MAN 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

T-13326

FIELD INSPECTION BY (II): 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): Coradomat		DATE Dec. 8, 1969
PROJECTION AND GRIDS CHECKED BY (IV): Coradomat		DATE Dec. 8, 1969
CONTROL PLOTTED BY (III): Aerotriangulation - Coradomat on T-11940 R.R. White on T-13326		DATE Dec. 8, 1969 Mar. 26, 1970
CONTROL CHECKED BY (III): Aerotriangulation - Coradomat on T-11940 A.L. Shands on T- 13326		DATE Dec. 8, 1969 Mar. 26, 1970
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I. I. Saperstein		DATE Nov. 1969
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY By: L.O. Neterer, Jr. Reviewed By: A.L. Shands	DATE Mar. 21, 1970 Mar. 21, 1970
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): B. Wilson		DATE Mar. 31, 1970
SCRIBING BY (III): J. Hinton		DATE June 6, 1972
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation: R.J. Pate Field Edit: R.E. Smith Scribing and Stick Up:		DATE April 10/70 Aug. 12, 1970
REMARKS: Field Edit By: M.R. Mulhern		DATE: May 1970

DESCRIPTIVE REPORT - DATA RECORD

T-13326

MERA (KIND OR SOURCE) (III):

Wild RC-8 "L" & "M"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67-L-(c)-3298 thru 3300	June 8, 1967	10:55	1:30,000	3.8' above MLLW

Predicted TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	MEAN RANGE
REFERENCE STATION: Juneau, Alaska		13.8'	16.4
COORDINATE STATION: Point Elizabeth, Alaska		12.1'	14.7
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Bernard Kurs, AMC

DATE:
May 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 0

RECOVERED:
0IDENTIFIED:
0

NUMBER OF BM(S) SEARCHED FOR (II): 0

RECOVERED:
0IDENTIFIED
0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None

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

REMARKS:

T-13326

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation Complete Pending Field Edit	Mar. 31, 1970	Superseded
Field Edit Applied Compilation Complete	Aug. 6, 1970	Superseded
Final Review	May 1973	

JOB PH-6306

HOONAH SOUND & PERIL STRAIT ALASKA

Shoreline Mapping

Scale 1:10,000

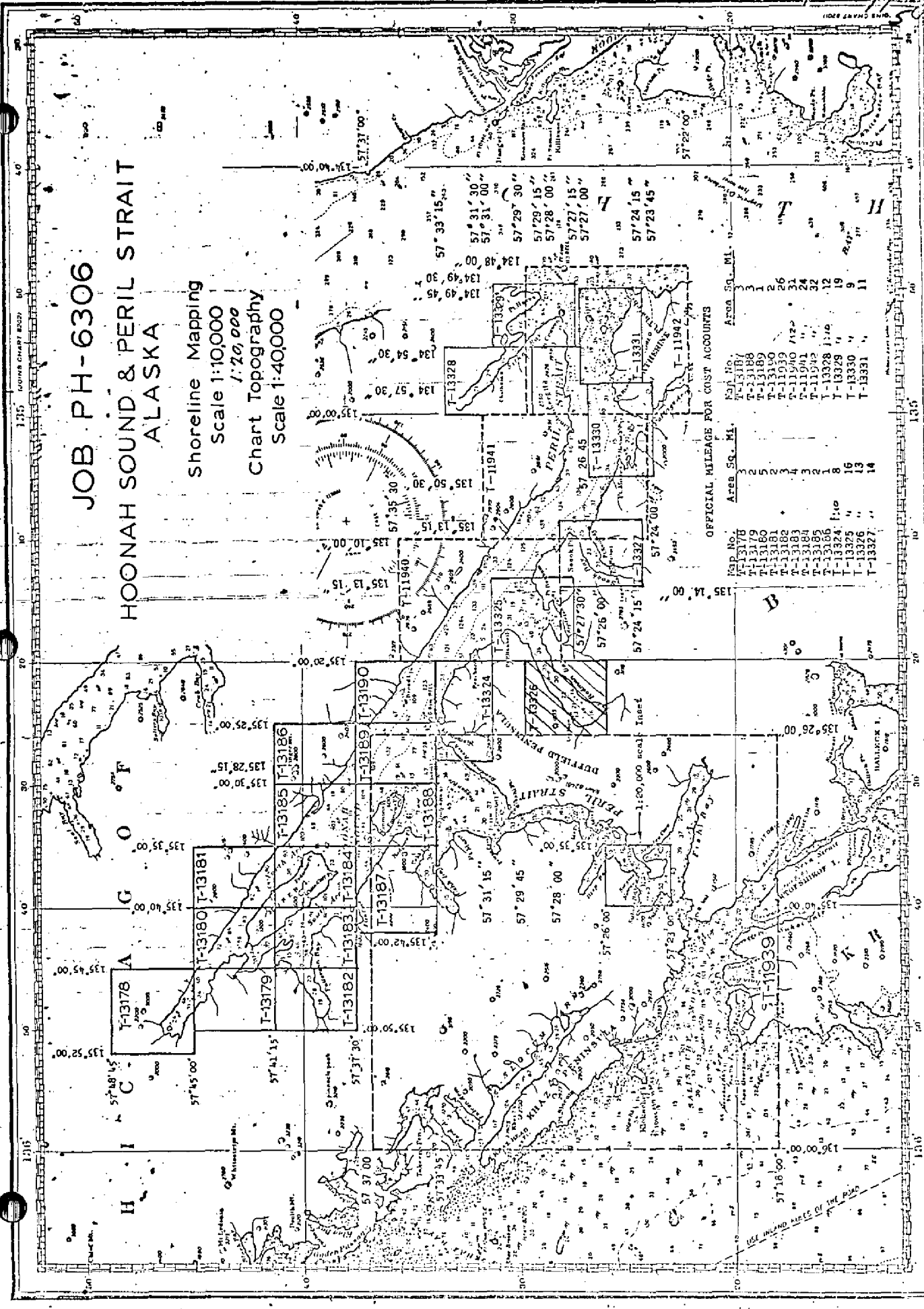
1:20,000

Chart Topography

Scale 1:40,000

OFFICIAL MILEAGE FOR COST ACCOUNTS

Map No.	Area Sq. Mi.
T-13178	1
T-13179	2
T-13180	26
T-13181	31
T-13182	24
T-13183	32
T-13184	12
T-13185	19
T-13186	9
T-13187	11
T-13188	
T-13189	
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T-13226	
T-13227	



SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT

T-13326

Shoreline survey T-13326 is part of project 6306. The project is located in southeastern Alaska in the Hoonah Sound - Peril Straits area. This survey is of Rodman Bay.

There was no field work preceding the "Incomplete" manuscript.

Compilation was at 1:10,000 scale using the B-8 plotter to drop shoreline control points while the shoreline and other features were delineated graphically. A copy of the 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.

Field edit was in May, 1970. After field edit was applied, the manuscript was scribed, stuck-up and reproduced on cronaflex. Final review was at AMC during May, 1973. One cronaflex and negative of the final reviewed manuscript is being forwarded for record and registry.

7

T-13326

PH-6306

FIELD INSPECTION REPORT

There was no field inspection prior to compilation.

8

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

November 1969

21. Area Covered

This report covers Hoonah Sound, Alaska, by the following eight (8) 1:10,000 scale shoreline T-sheets: T-13324 thru T-13331; three (3) 1:20,000 scale shoreline T-sheets: T-11940 thru T-11942 and by one (1) 1:40,000 scale sheet for chart topography T-11939 with 1:20,000 scale inset. (See Report Part I, October 1968 for strips previously bridged and sheets covered).

22. Method

Ten (10) strips were bridged using analytical aerotriangulation methods. Strips 1, 2, 3, 10, 11 and 13 are 1:60,000 scale panchromatic and strips 8, 9, 12 and 14 are 1:30,000 scale color.

Numerous tie points were located to control several of the strips due to the sparseness of horizontal control.

The attached sketch shows the strips bridged and the placement of triangulation used in the final strip adjustments.

Positions for all bridge points are shown for each strip on the IBM readout on the Alaska Zone 1 state plane coordinate system.

23. Adequacy of Control

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

Horizontal point COVE, 1952 could not be positively identified and was not used. Horizontal point HOOFF 2, 1925 was held on Strip 3 but because of tree overhang could not be used on Strip 1.

9
-2-

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" panchromatic and RC-8 "L" color photography were good. Coverage is adequate to compile all sheets by either the 1:60,000 or 1:30,000 scale photography.

Respectfully submitted,

I. I. Saperstein
I. I. Saperstein

Approved and forwarded,

Henry P. Eichert
Henry P. Eichert
Chief, Aerotriangulation
Section

10

Notes to Compiler

In order to compile the 1:10,000 scale sheets in Peril Strait, Rodman Bay and Saook Bay, it may be necessary to do so from the 1:30,000 scale photography. If so, order 1:30,000 color plates and contact photographs where necessary to locate compilation points from the 1:60,000 scale bridging photography. (See photo layout for plates required). All ratio prints should be ordered by the compilation office.

Bridge points will be plotted in Rockville by the Coradi on all sheets except T-11939.

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 13326 PROJECT NO. PH-6306 SCALE OF MAP 1:10,000 SCALE FACTOR None

[illegible]

COMPILATION REPORT

T-13326

31. DELINEATION

The WILD B-8 plotter was used to establish shoreline control. Delineation was done graphically. Definition of the 1:10,000 ratio photographs was poor.

32. CONTROL

See the PHOTOGRAMMETRIC PLOT REPORT (PAR II), dated Nov., 1969, attached.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours -- inapplicable.

Drainage has been shown from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The MHWL and foreshore area details and Approx. MLLWL have been shown from office interpretation of the photographs.

The stage of tide of photograph 67-L(c)-3299 from which the Approx. MLLWL was taken is 3.8 ft. above MLLW.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

No copies of form 567 for landmark or aids were forwarded to Rockville Office.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junction has been made with T-13325 to the east. There are no contemporary surveys to the north, west, and south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS Quadrangle SITKA (B-5), ALASKA, scale 1:63,360, dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with CHART 8283, PERIL STRAIT, HOONAH SOUND TO CHATHAM STRAIT, scale 1:40,000, 5th Edition, corrected to May 12, 1969.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

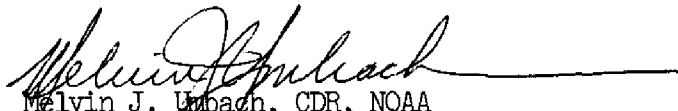
None

Respectfully submitted:


B. Wilson

B. Wilson
Cartographic Technician
April 1, 1970

Approved for forwarding:


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

Approved:


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

GEOGRAPHIC NAMES


FINAL NAME SHEET

PH-6303 (Alaska)

T-13326

- Baranof Island
- Duffield Peninsula
- Lauf Islands
- Rodman Bay
- ~~• Rodman Creek~~

Approved by:


A. Joseph Wraight
Chief Geographer

Prepared by:

3-22-73
Frank W. Pickett
Cartographic Technician

T-13326

49. NOTES FOR THE HYDROGRAPHER:

None

PHOTOGRAMMETRIC OFFICE REVIEW
T. 13326

1. PROJECTION AND GRIDS Coradomat	2. TITLE RJP	3. MANUSCRIPT NUMBERS RJP	4. MANUSCRIPT SIZE RJP
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 RJP	11. DETAIL POINTS RJP
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE RJP	13. LOW-WATER LINE RJP	14. ROCKS, SHOALS, ETC. RJP	15. BRIDGES XXP
16. AIDS TO NAVIGATION XX	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES RJP	19. OTHER ALONGSHORE CULTURAL FEATURES RJP
PHYSICAL FEATURES			
20. WATER FEATURES RJP	21. NATURAL GROUND COVER XX		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES XX
CULTURAL FEATURES			
27. ROADS RJP	28. BUILDINGS RJP	29. RAILROADS XXP	30. OTHER CULTURAL FEATURES XX
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES RJP	34. JUNCTIONS RJP		35. LEGIBILITY OF THE MANUSCRIPT RJP
36. DISCREPANCY OVERLAY XX	37. DESCRIPTIVE REPORT RJP	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS XX
40. REVIEWER R.J. Pate April 10, 1970		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 R.J. Pate Aug. 6, 1970 Reviewer: R.E. Smith Aug. 12, 1970		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
43. REMARKS Field Edit Applied From: Field Edit Ozalid & Field Photo: 67-L-3299 Some questions asked the field editor, were not answered; ex. - classify the roads; otherwise the field edit was good.			

FIELD EDIT REPORT

Map T-13326

Peril Strait

Rodman Bay

Field edit of map T-13326 was accomplished during May, 1970. Inspection was done from a skiff in conjunction with photo-hydro signal identification and from a launch during hydrographic survey.

METHOD

The shoreline features and mean high water line were verified by visual comparison of the shore area to the field ratio photographs and field edit ozalid of the map manuscript. Notes have been made in violet on the field edit ozalid and cross referenced where necessary to field ratio photograph 67L3299. Unless otherwise indicated all shoreline features are correct as interpreted.

All times are based on meridian 105°W.

ADEQUACY OF COMPILATION

Compilation of the map is good. Hydrographic location of features compares well to photogrammetric location. Several rocks indicated should be deleted from the manuscript, and corrections should be applied to the character of fore-shore materials in several areas. Corrections and additional identifiable features have been indicated on the field edit ozalid and photo.

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

REVIEW REPORT T-13326

SHORELINE

May, 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 (B-5), Alaska 1:63,360 scale dated 1948. There is general agreement except for the shape of Lauf Islands. This can be attributed to natural changes.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with the "Advance" copy of Boat Sheet H9125 at 1:10,000 scale dated 1970. There is very good agreement. The photogrammetric lower low water line differs slightly in places but is being retained on the manuscript for whatever use the chart compiler may see fit. The photogrammetric lower low water line was interpreted from photography taken at 3.8 ft. above MLLW (predicted).

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with Chart 8283 dated July 17, 1971 at 1:40,000 scale. There is good general agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

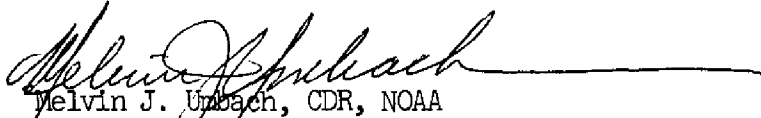
This survey meets with project instructions and the National Standards of Map Accuracy.

Reviewed by:




Bernard Kurs
Cartographer

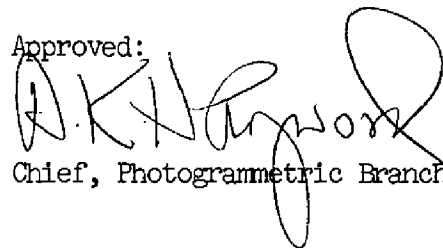
Approved for forwarding:


Melvin J. Unbach, 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