

13185

13185

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. Map No. *T-13185*.....Classification No. Edition No.
Field Edited

LOCALITY

State *Alaska*.....General Locality *Hoonah Sound & Peril Strait*.....Locality *North Of Emmons Island*.....

1967 TO 1969

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T-13185

OBJECT 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~~ ^{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):

MARIAN, 1966

LAT.:

57° 39' 08.087"

LONG.:

135° 31' 53.422"

☐ ADJUSTED☒ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y =

X =

Alaska

1

NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) 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=13185

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): A. Bethea		DATE Sept. 17, 1968
PROJECTION AND GRIDS CHECKED BY (IV): L. F. Van Scoy		DATE Sept. 24, 1968
CONTROL PLOTTED BY (III): Drilled Points: - R. White Triangulation: - None		DATE Oct. 18, 1968
CONTROL CHECKED BY (III): Drilled Points: - A. Shands Triangulation: - None		DATE Oct. 18, 1968
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I. I. Saperstein		DATE Oct. 1968
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY By: F.P. Margiotta Reviewed By: C.H. Bishop	DATE Nov. 1968 Nov. 1968
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): F. P. Margiotta		DATE Nov. 1968
SCRIBING BY (III): W. Gilbert		DATE June 2, 1972
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): C. H. Bishop		DATE Dec. 1968
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

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CAMERA (KIND OR SOURCE) (III):

Wild RC-8 Universal "L"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67-L-3208 and 3209	June 8, 1967	09:42	1:30,000	0.2 ft. above MLLW

Predicted TIDE (III)

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:

April 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:

T-13185

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore Area For Hydro	Nov. 1968	Superseded
Field Edit Applied Compilation Complete	July 1970	Superseded
Final Review	April 1973	

HOONAH SOUND & PERIL STRAIT ALASKA

Shoreline Mapping

Scale 1:10,000

1:20,000

Chart Topography:

Scale 1:40,000

PERMITAL MILEAGE FOR COST ACCOUNTS

Map No.	Area Sq. Mi.	Pop. '87
T-13178	2	T-13178
T-13179	2	T-13179
T-13180	2	T-13180
T-13181	2	T-13181
T-13182	3	T-13182
T-13183	3	T-13183
T-13184	3	T-13184
T-13185	3	T-13185
T-13186	1	T-13186
T-13187	1	T-13187
T-13188	1	T-13188
T-13189	16	T-13189
T-13190	8	T-13190
T-11039	13	T-11039
T-11940	13	T-11940
T-11941	13	T-11941
T-11942	13	T-11942
T-13282	1	T-13282
T-13279	1	T-13279
T-13330	16	T-13330
T-13376	13	T-13376
T-13327	14	T-13327

Area Sq. Mi.
3 2 2 2 3 4 3 2 1 8 16 13 14

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-13185

There was no field inspection prior to compilation.

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 pre-marked 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

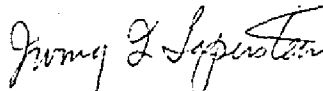
Vertical control needed for the adjustment was taken from USGS quadrangles.

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.

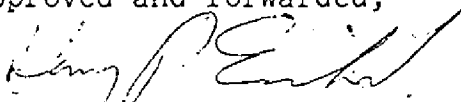
Cronapague and matte ratio prints have been ordered from the 1:30,000 scale color photographs on black and white base.

Respectfully submitted,



I. I. Saperstein

Approved and forwarded,



Chief, Aerotriangulation Section

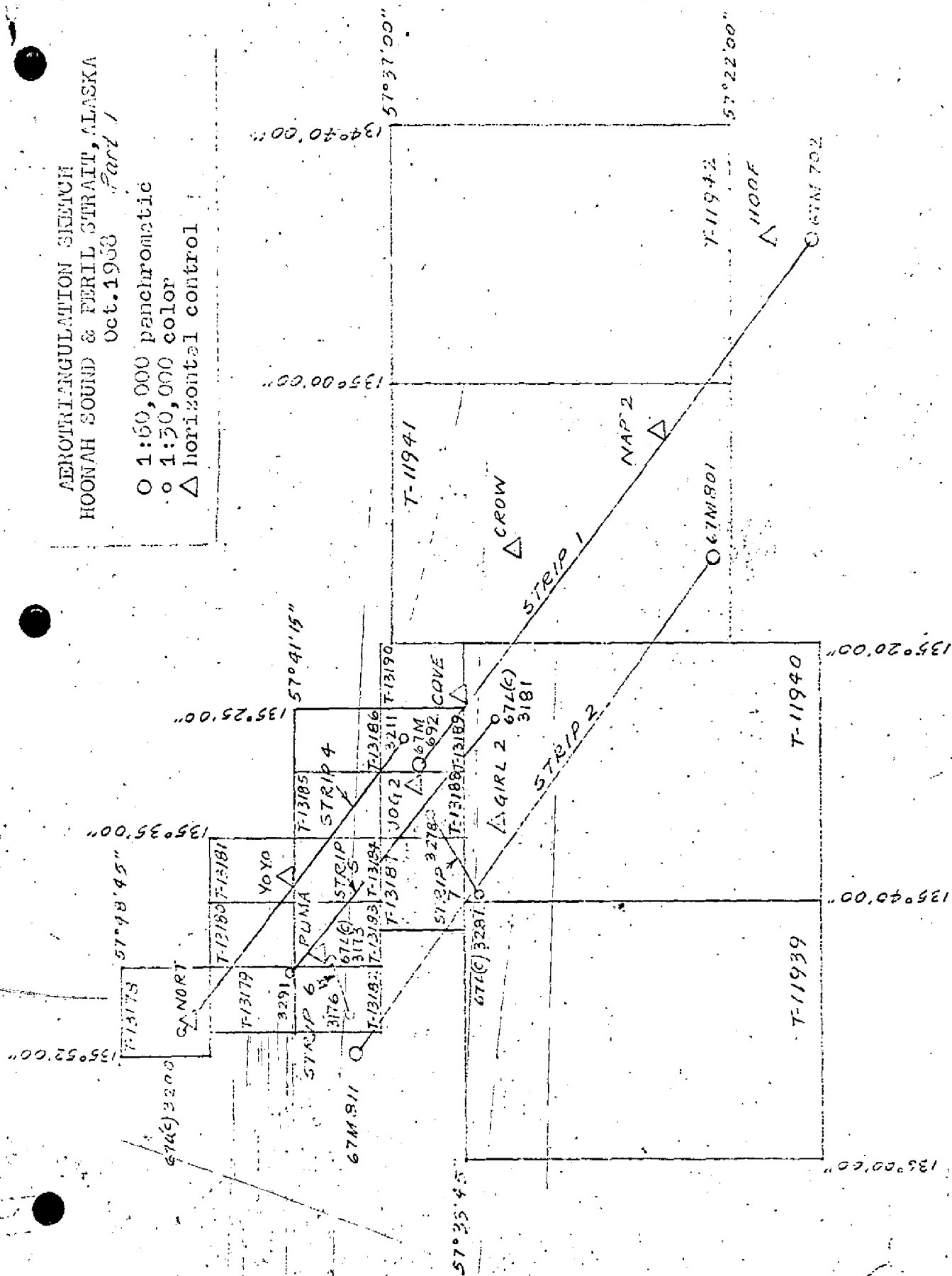
NOTES TO COMPILER

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).

Oct. 1958 Part 1

- 1:50,000 panchromatic
○ 1:50,000 color
△ horizontal control



DESCRIPTIVE REPORT CONTROL RECORD

PROJECT NO. PH-6306

SCALE OF MAP 1:10,000

SCALE FACTOR	None
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[illegible]

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COMPILATION REPORT

PH-6306

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32. CONTROL

See Photogrammetric Plot Report Part I dated October 1968.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours were inapplicable. Drainage has been shown from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line and approximate lower low water line were compiled from office interpretation of the photographs.

36. OFFSHORE DETAIL

No statement.

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

No recoverable topographic or photo hydro station here have been shown. A sufficient number of shoreline pass points have been shown as an aid for the hydrographer in establishing hydrographic signals.

39. JUNCTIONS

Junctions are in agreement with T-13184 to west, T-13188 to the south, and T-13186 to the east. There is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT

The field edit for this sheet was well done and all items in question were answered satisfactorily.

42-45. Not applicable.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with USGS Quadrangle SITKA (C-5) ALASKA, scale 1:63,360, dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 8252, Coronation Island to Lisianski Strait scale 1:217,828, dated Nov. 1965.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD


None

Submitted:


Frank P. Margiotta

F. P. Margiotta
Cartographic Aid
12/1/68

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-6306 (Hoonah Sound and Peril
Strait, Alaska)

T-13185

• Chichagof Island

• Hoonah Sound

~~Moore Mountains~~

Approved by:

A. Joseph Wraight
Chief Geographer

Prepared by:

3-22-77

Frank W. Pickett
Cartographic Technician

T-13185

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-13185

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 ACR				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 X		17. LANDMARKS X		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 A.C. Rauck, Jr. <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 A.L. Shands Reviewer: R.J. Pate				7/9/70 July 21/70 SUPERVISOR <i>Albert C. Rauck, Jr.</i>			
43. REMARKS Field Edit Applied From: Field edit ozalid T-13185							

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-13185

Peril Strait

North of Emmons Island

September 1969

Field edit of map T-13185 was accomplished during September 1969. Inspection was done from a launch in conjunction with hydrography.

METHOD

Field photographs and accopy of the field edit ozalid were examined in the field. The mean high water line was verified by visual comparison of the shore area with the field photographs and ozalid.

All notes are on the field edit ozalid.

ADEQUACY OF COMPILATION

Compilation of the map is excellent. Field inspection is complete.

RECOMMENDATIONS

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

Respectfully Submitted,

Allan F. Divis

Allan F. Divis
ENS, USESSA

REVIEW REPORT T-13185

SHORELINE

April, 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 USGS Quadrangle Sitka (C-5), Alaska dated 1951 at 1:63,360 scale. There is general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of verified boat sheet H-9055, 1969 at 1:10,000 scale. They are in agreement except for slight differences in the MLLW line. The photogrammetric MLLW line was determined from photographs taken at .2 ft. above MLLW 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 dated May 1, 1971 at 1:217,828 scale. There was 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

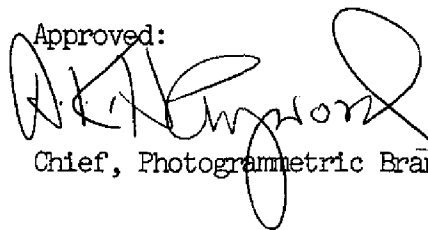

Approved for forwarding:


Melvin J. 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