

13188

13188

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-13188  
Classification No. Edition No.  
Field Edited

## LOCALITY

State Alaska  
General Locality Hoonah Sound & Peril Strait  
Locality Emmons Island

1967 TO 1969

Alfred C. Holmes, Director, AMC

## REGISTRY IN ARCHIVES

DATE .....

## DESCRIPTIVE REPORT - DATA RECORD

T-13188

PROJECT NO. (II):

PH-6306

FIELD OFFICE (II):

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~~ <sup>HIGH WATER</sup> 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):

Jog 2, 1952

LAT.:

57° 35' 44.342"

LONG.:

135° 30' 32.148"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

y = 2,109,707.51 Ft.      x = 2,324,276.59 Ft.

Alaska

1

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  
(3-66)U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT - DATA RECORD

T-13188

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. 18, 1968
PROJECTION AND GRIDS CHECKED BY (IV): L. F. Van Scoy		DATE Sept. 24, 1968
CONTROL PLOTTED BY (III): Drilled Points: - A. Shands Triangulation: - R. White		DATE Oct. 21, 1968 Oct. 22, 1968
CONTROL CHECKED BY (III): Drilled Points: - R. White Triangulation: - A. Shands		DATE Oct. 21, 1968 Oct. 22, 1968
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I. I. Saperstein		DATE Oct. 1968
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY By: R. R. White Reviewed By: A. L. Shands	DATE Nov. 18, 1968 Nov. 18, 1968
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R. R. White		DATE Nov. 20, 1968
SCRIBING BY (III): W. Gilbert		DATE 5/24/72
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): C. H. Bishop		DATE 12/23/68
REMARKS:		DATE Aug. 1969

FORM C&GS-181c  
(3-66)U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT - DATA RECORD

T-13188

MERA (KIND OR SOURCE) (III):

Wild RC-8 Universal "L"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67-L-3183 thru 3185	June 8, 1967	09:25	1:30,000	0.6 below MLW

Predicted (III)

Diurnal

		RATIO OF RANGES	MEAN RANGE	<del>95% CONF</del> 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): 1	RECOVERED: 1	IDENTIFIED: 1		
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-13188

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore Area For Hydro- graphy	Nov. 1968	Superseded
Field Edit Applied Compilation Complete	July 1970	No Field Edit below Lat. 57° 34' 30", Out of project limits.
		Superseded
Final Review	April 1973	

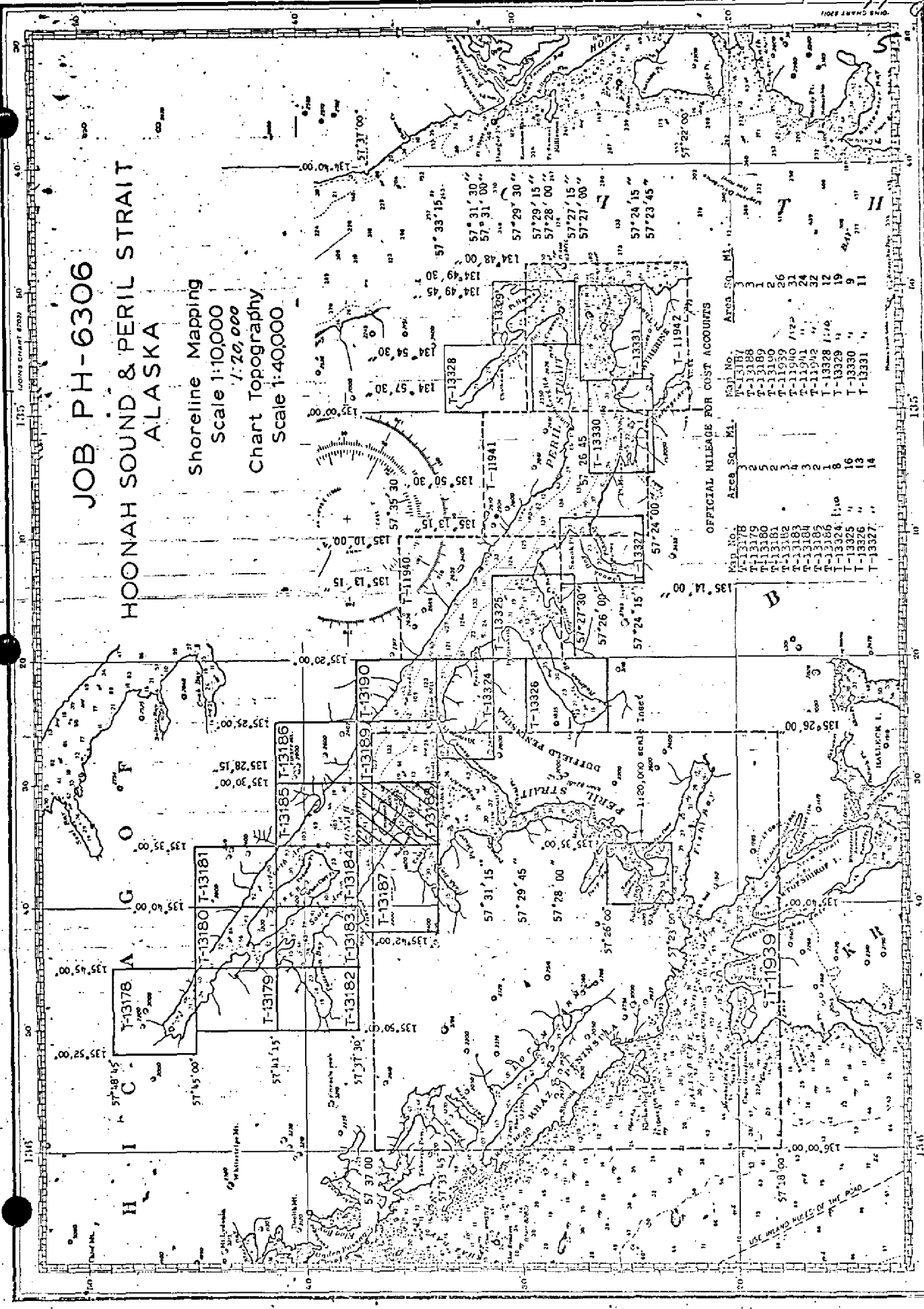
Coastal Mapping

# JOB PH-6306

## HOONAH SOUND & PERIL STRAIT

### ALASKA

Shoreline Mapping  
Scale 1:10,000  
Chart Topography  
Scale 1:40,000



OFFICIAL NILLAGE FOR COST ACCOUNTS

Map No.	Area Sq. Mi.
T-13178	1.00
T-13179	1.00
T-13180	1.00
T-13181	1.00
T-13182	1.00
T-13183	1.00
T-13184	1.00
T-13185	1.00
T-13186	1.00
T-13187	1.00
T-13188	1.00
T-13189	1.00
T-13190	1.00
T-13326	1.00
T-13327	1.00
T-13328	1.00
T-13329	1.00
T-13330	1.00
T-13331	1.00
T-13332	1.00
T-13333	1.00
T-13334	1.00
T-13335	1.00
T-13336	1.00
T-13337	1.00

## 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.

7

FIELD INSPECTION

T-13188

There was no field inspection prior to compilation.



8

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.

23

24. Supplemental Data

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

25. Photography

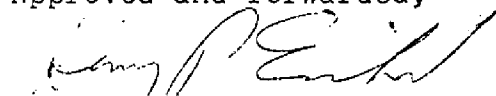
The definition and quality of the RC-9 "M" and RC-8 "L" color photography were good. Coverage was adequate to compile all sheets either by stereoscopic plotting instrument or graphically.

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, Aërotriangulation Section

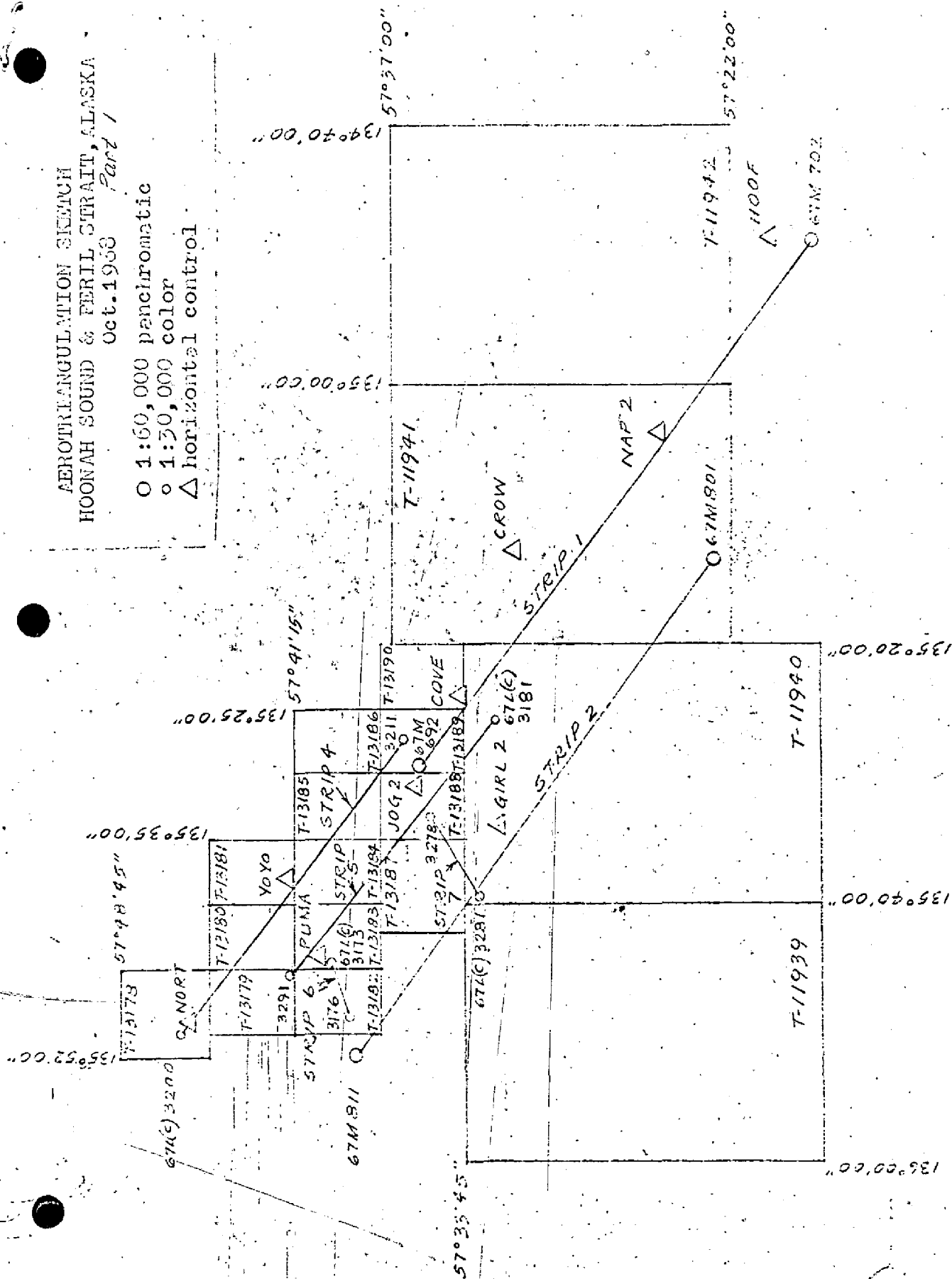
10

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).

- 1:60,000 panchromatic
- 1:30,000 color
- △ horizontal control



## DESCRIPTIVE REPORT CONTROL RECORD

[illegible]

12

COMPILATION REPORT

PH-6306

T-13188

31. DELINEATION

All details on the manuscript were compiled from color photography taken at 0.6 foot below mean lower low water using the Wild B-8 Stereoplotter.

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

Ford Rock was delineated graphically from the photographs.

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions are in agreement with T-13185 to the north, T-13189 to the east, and T-13187 to the west. There is no contemporary survey to the south.

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 very satisfactorily and cross referenced to the color ratio photographs.

42.-45. Not applicable.

46. COMPARISON WITH EXISTING MAPS

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

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with USC&GS 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:

*R. R. White*

R. R. White  
Cartographic Aid  
11/20/68

Approved for forwarding:

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

Approved:

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



15

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

T-13128

· Chichagof Island  
· Emmons Island  
· Emmons Point  
· Ford Rock  
· Hoonah Sound  
· Peril Strait  
· Rogers Point  
· Ushk Point  
· Vixen Islands

Approved by:

*AJW*  
A. Joseph Wright  
Chief Geographer

Prepared by:

3-22-73  
Frank W. Pickett  
Cartographic Technician

T-13188

49. 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-13188			
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 CHB	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
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	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.			
COMPILED By: A.L. Shands Reviewer: R.J. Pate		7/9/70 July 23/70 SUPERVISOR <i>Albert C. Rauck, Jr.</i>	
43. REMARKS Field Edit Applied From: Field edit ozalid T-13188 Field Photo. 67-L-3184 No Field Edit Below Lat. 57° 34' 30" Out of project limits.			

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-13188

Hoonah Sound and Peril Strait

Emmons Island

Field edit of Map T-13188 was accomplished during August 1969. Inspection was done on foot and 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. Isolated rocks were located by sextant fixes, plotted on boat sheet FA-10-4-69, and compared to photo interpreted positions.

Notes have been made in violet pencil on the field edit ozalid and in violet ink on the photograph. The field edit ozalid has been cross referenced to photograph 67-L-3184. All times are based on 105°W meridian.

### ADEQUACY OF COMPILATION

Compilation of the map is fair. An additional small ledge was found on the southeast end of Emmons Island and was shown on the ozalid and referenced to photograph 67-L-3184. Two reefs shown on the field edit ozalid, one west of the Vixen Islands and the other at the southwest corner of Emmons Island, were not found. Also the beaches were usually covered by gravel rather than sand. Field inspection of the area south of latitude 57° 35'N was not carried out since this area was covered by a complete survey, H-7988 (1952), and was not within the limits of OPR-488.

Field inspection of the map is complete.

### RECOMMENDATIONS

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

Respectfully submitted,

John E. Thomasson  
ENS, USESSA

REVIEW REPORT T-13188

SHORELINE

April, 1973

61. GENERAL STATEMENT

See summary which is page 6 of the Descriptive Report. The field inspection only goes to 57°35'. The area south of that was not field edited.

62. COMPARISON WITH REGISTERED SURVEYS

Comparison was made with T-9897, 1:10,000 scale dated 1954. The two sheets are compatible. The only differences are on beaches which time changes. The registered survey reaches only to 57° 35'.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with USGS Quadrangle Sitka (C-5), Alaska, 1951 at 1:63,360 scale. There is general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with Boat Sheet H-9055 dated 1969 at 1:10,000 scale. They are in agreement except for minor differences in the MLLW line. The photogrammetric MLLW line was determined from photos taken at .6 ft. (predicted) below MLLW and is retained on the survey for whatever use it may be to the chart compiler. The hydrographic survey goes as far south as 57° 35' and stops.

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with charts 8248, 1:40,000 scale dated July 29, 1968 and 8252, 1:217,828 scale dated May 1, 1971. They are in general agreement.

66. ADEQUACY OF RESULTS AND FUTURES SURVEYS

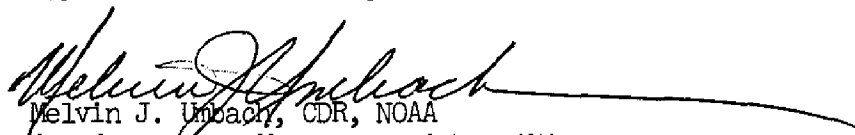
This survey meets with project instructions and the National Standards of Map Accuracy.

Reviewed by:


*Bernard Kurs*

Bernard Kurs  
Cartographer

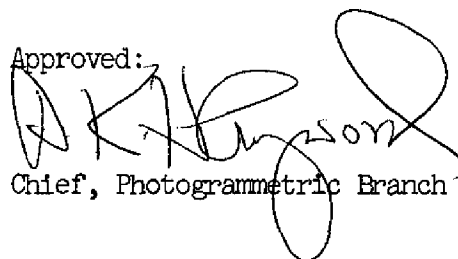
21  
Approved for forwarding:

  
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