

13184

13184

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-13184  
Classification No. .... Edition No. ....  
Field Edited

## LOCALITY

State Alaska  
General Locality Hoonah Sound & Peril Strait  
Locality White Cliff Point

1967 TO 1969

Alfred C. Holmes, Director, AMC

## REGISTRY IN ARCHIVES

DATE .....

## DESCRIPTIVE REPORT - DATA RECORD

T-13184

OBJECT NO. (I):

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~~ <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):

Fick, 1966

LAT.:

57° 37' 54.685" M

LONG.:

135° 39' 08.428" M

☐ 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-13184

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. 19, 1968
PROJECTION AND GRIDS CHECKED BY (IV): L.F. Van Scoy		DATE Sept. 23, 1968
CONTROL PLOTTED BY (III): Drilled Points: - A. Shands Triangulation: - None		DATE Oct. 17, 1968
CONTROL CHECKED BY (III): Drilled Points: - R. White Triangulation: - None		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.R. White Reviewed By: F.P. Margiotta C.H. Bishop &	DATE Nov. 21/68 Nov. 7, 1968 Nov. 7, 1968
	CONTOURS A.L. Shands	DATE Nov. 21/68
MANUSCRIPT DELINEATED BY (III): R.R. White F.P. Margiotta		DATE Nov. 21, 1968 Nov. 7, 1968
SCRIBING BY (III): J.W. Hinton		DATE June 2, 1972
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation: C.H. Bishop		DATE 12/13/68
REMARKS:		

FORM C&GS-181c (3-66)		U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY		
<b>DESCRIPTIVE REPORT - DATA RECORD</b> T-13184				
CAMERA (KIND OR SOURCE) (III): <div style="text-align: center; margin-top: 10px;">WILD RC-8 UNIVERSAL "L"</div>				
<b>PHOTOGRAPHS (III)</b>				
NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67-L-3187 and 67-L-3188	June 8, 1967	09:25	1:30,000	-0.6 below MLLW
67-L-3206 and 67-L-3207	June 8, 1967	09:42	1:30,000	+0.2 above MLLW
Predicted TIDE (III) <span style="float: right;">Diurnal</span>				
			RATIO OF RANGES	MEAN RANGE
REFERENCE STATION: Jumeau, Alaska				13.8
SUBORDINATE STATION: Nismeni Cove, Alaska				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-13184

COMPILATION RECORD

COMPLETION DATE

REMARKS

Alongshore Area For Hydro	Nov. 1968	Superseded
Field Edit Applied Compilation Complete	July, 1970	Superseded
Final Review	April, 1973	

# JOB PH-6306

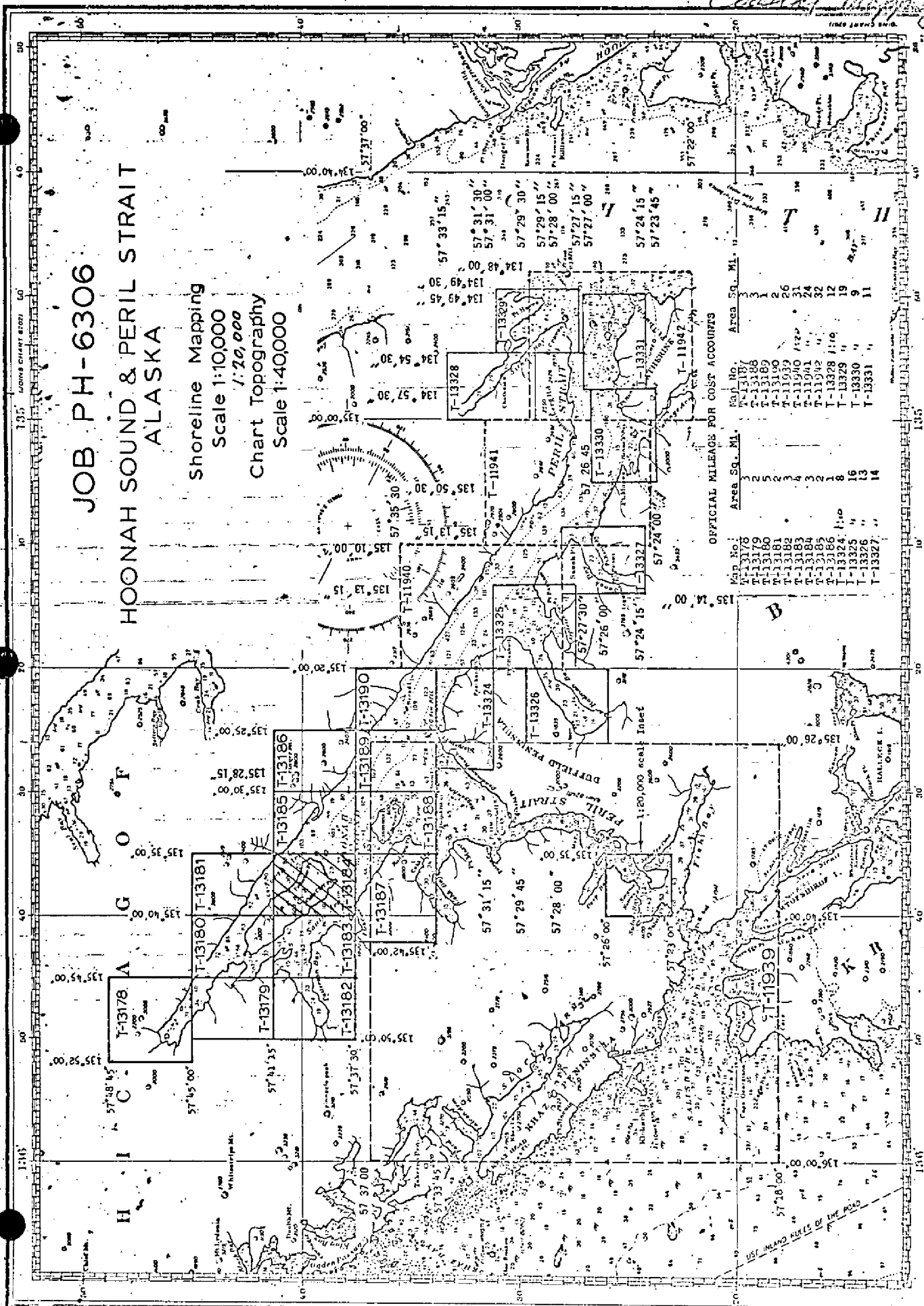
## HOONAH SOUND & PERIL STRAIT ALASKA

Shoreline Mapping

Scale 1:10,000

Chart Topography

Scale 1:40,000



### OFFICIAL MILEAGE FOR COST ACCOUNTS

Map No.	Area Sq. Mi.
T-13178	3
T-13179	3
T-13180	3
T-13181	26
T-13182	31
T-13183	24
T-13184	32
T-13185	12
T-13186	19
T-13187	9
T-13188	11
T-13189	11
T-13190	11
T-13191	11
T-13192	11
T-13193	11
T-13194	11
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T-13213	11
T-13214	11
T-13215	11
T-13216	11
T-13217	11
T-13218	11
T-13219	11
T-13220	11
T-13221	11
T-13222	11
T-13223	11
T-13224	11
T-13225	11
T-13226	11
T-13227	11

## 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.

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FIELD INSPECTION

T-13184

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.

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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*  
I. I. Saperstein

Approved and forwarded,

*[Signature]*  
Chief, Aerotriangulation Section

NOTES TO COMPILER

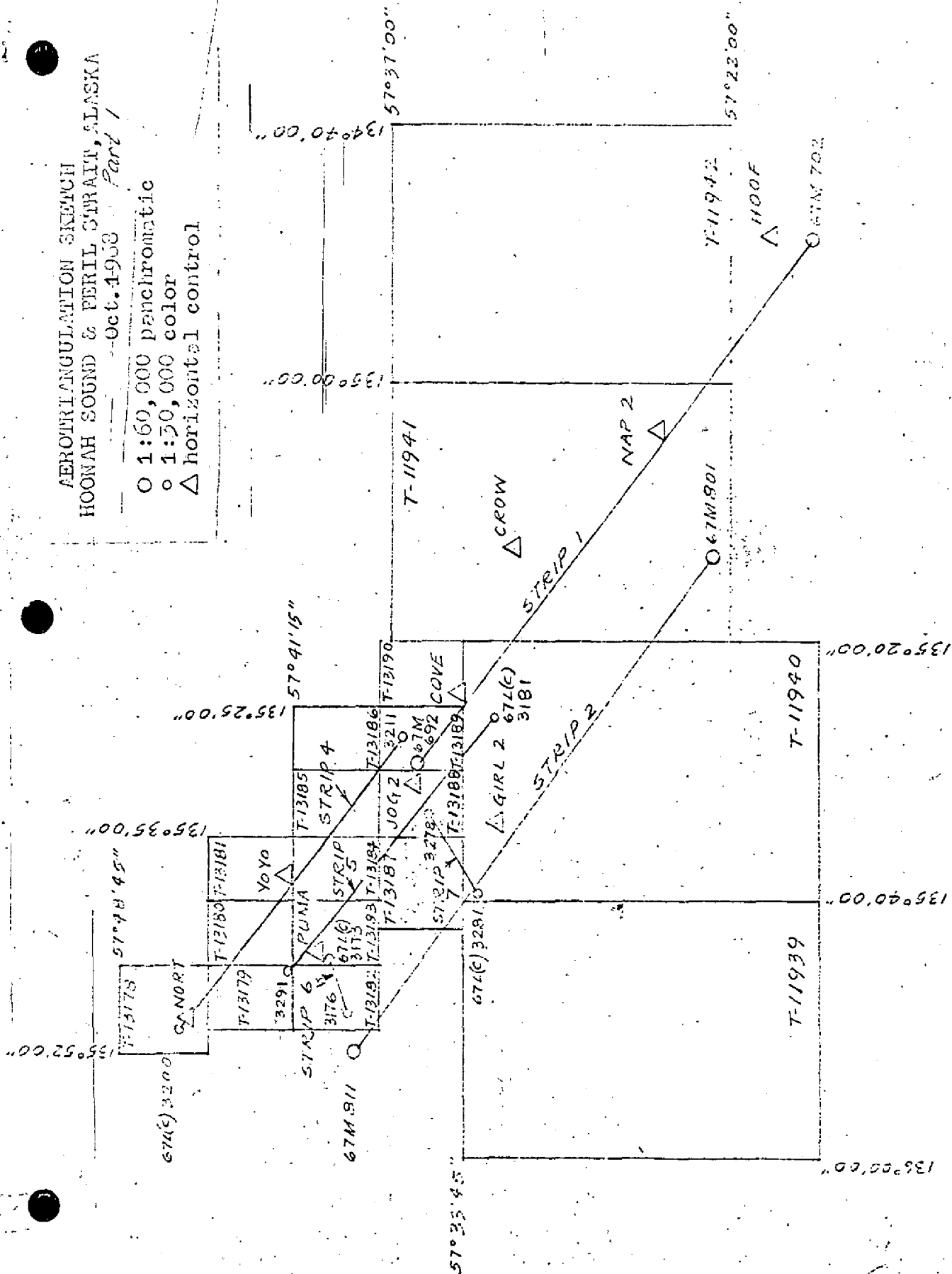
Photos 67-L(C)-3181, 3182, 3183 on Strip 5 could not be bridged because of water areas. However, points were dropped from Strip 1 common to points on the above photos so that several offshore islands can be compiled. Models 3181-3182-3183 can be set on the B-8 using positions for these points from Strip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

# AEROTRIANGULATION SKETCH HOONAH SOUND & PERIL STRAIT, ALASKA

Oct. 4-1933 Part 1

- 1:60,000 panchromatic
- 1:50,000 color
- △ horizontal control



# DESCRIPTIVE REPORT CONTROL RECORD

SCALE FACTOR

None

[illegible]

L.L. Graves

DATE \_\_\_\_\_

July 20, 1970

COMPILATION REPORT

PH-6306

T-13184

31. DELINEATION

The Wild B-8 Stereoplotter was used. Photograph coverage was adequate.

32. CONTROL

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

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage has been shown from Office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line, approximate lower low water line and foreshore area was delineated from office interpretation of the photographs. There was no field inspection.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

None

### 38. CONTROL FOR FUTURE SURVEYS

No recoverable topographic or photo hydro stations have been shown; however 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-13181 to the north, T-13185 to the east, T-13187 to the south, and T-13183 to the west.

### 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.

However two exceptions were noted: at approximate Lat.  $57^{\circ}38'42''$ , Long.  $135^{\circ}38'00''$  the field editor indicates a smaller ledge out-crop than appears on the photographs viewed in stereo. No change was made from the original delineation.

At approximate Lat.  $57^{\circ}40'26''$  north to junction and approx. Long.  $135^{\circ}37'29''$  to  $28'30''$  the field editor indicates several small ledge areas near the shallow line, these could not be seen on the photographs so were not shown on the manuscript.

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  
11/23/68

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



GEOGRAPHIC NAMES

FINAL NAME SHEET

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

T-13184

- Chichagof Island
- Hoonah Sound
- Moser Island
- North Arm Hoonah Sound
- Pedersen Point
- South Arm Hoonah Sound
- White Cliff Point

Approved by:



A. Joseph Wraight  
Chief Geographer

Prepared by:

7-22-73

Frank W. Pickett  
Cartographic Technician

T-13184

49. NOTES FOR THE HYDROGRAPHER:

NONE

FORM C&GS-1002 (9-66)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY ESSA	
PHOTOGRAMMETRIC OFFICE REVIEW T-13184			
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
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 181 Ok 184 Ok 185 Ok 187 Ok	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		7/8/70 July 20, 1970 <i>Albert C. Rauck Jr.</i>	
43. REMARKS  Field Edit Applied From: Field edit ozalid T-13184 Field edit photos, 67-L-3187, 3188, & 3207			

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-13184

Peril Strait

White Cliff Point

August - September 1969

Field edit of map T-13184 was accomplished during August and September 1969. Inspection was done from launches in conjunction with hydrography.

### METHOD

Field photos and a copy of the field edit ozalid were examined in the field. The mean high water line was verified by visual comparison of the shore area to the field photographs and ozalid. Isolated rocks and reefs were located by sextant fixes, plotted on boat sheet FA-10-5-69, and compared to photogrammetric positions. Ledge limits were compared with those on the ozalid and extended or added, where necessary, on the field photos.

Notes have been made in violet pencil on the ozalid and in ink on the photos, and cross referenced on the ozalid by photograph number. All notes are on photo 67-L-3188.

### ADEQUACY OF COMPILATION

Compilation of the map is good; the MHWL and ledge area on the small island SE of Fick Cove requires some revision, as indicated on the ozalid and field photo 67-L-3188. The field inspection 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,

*Allan F. Divis*

Allan F. Divis  
ENS, USESSA

REVIEW REPORT T-13184

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 survey H-9056 1969. They compare extremely well except for minor variations in the MLLW line. The photogrammetric MLLW line was taken from photography at .2 ft above MLLW (predicted) and is retained on this survey for whatever use it may be to the chart compiler.

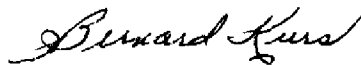
65. COMPARISON WITH NAUTICAL CHARTS

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