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<th>Type of Survey</th>
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<tr>
<td>Job No.</td>
<td>PH: 6306</td>
</tr>
<tr>
<td>Map No.</td>
<td>T: 13183</td>
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<td>Classification No.</td>
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<td>Field Edited</td>
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<tr>
<td>General Locality</td>
<td>Hoonah Sound &amp; Peril Strait</td>
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<td>Locality</td>
<td>Douglass Bay</td>
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<td></td>
<td></td>
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<td></td>
<td>1957 TO 1969</td>
</tr>
<tr>
<td>Alfred C. Holmes</td>
<td>Director, AMC</td>
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**PROJECT NO.**

PH-6306

<table>
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<th>FIELD OFFICE</th>
<th>CHIEF OF PARTY</th>
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<th>PHOTOGRAMMETRIC OFFICE</th>
<th>OFFICER-IN-CHARGE</th>
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<tr>
<td>Atlantic Marine Center, Norfolk, VA</td>
<td>Alfred C. Holmes, Director, AMC</td>
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**INSTRUCTIONS DATED**

OFFICE - Sept. 17, 1968

**METHOD OF COMPILATION**

Wild B-8 Stereo-Plotter

<table>
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<th>MANUSCRIPT SCALE</th>
<th>STEREOSCOPIC PLOTTING INSTRUMENT SCALE</th>
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<tbody>
<tr>
<td>1:10,000</td>
<td>1:15,000</td>
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**DATE RECEIVED IN WASHINGTON OFFICE**


**DATE REPORTED TO NAUTICAL CHART BRANCH**


**APPLIED TO CHART NO.**


**DATE REGISTERED**

MAR. 3, 1975

**GEOGRAPHIC DATUM**

N.A. 1927

**REFERENCE STATION**

Puma, 1966

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<th>STATE</th>
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<td>135° 44' 13.0595&quot;</td>
<td>Alaska</td>
<td>1</td>
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</table>

**VERTICAL DATUM**

HIGH WATER MEAN HIGH WATER

Elevations shown as (H) refer to mean high water
Elevations shown as (L) refer to sounding datum
i.e., mean low water or mean lower low water

**ADJUSTED**


**PLANE COORDINATES**

γ = 2,142,414.78 Ft.  x = 2,280,518.41 Ft.
DESCRIPTIVE REPORT - DATA RECORD
T-13183

FIELD INSPECTION BY (III):
None

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. 16, 1968

PROJECTION AND GRIDS CHECKED BY (IV):
L.F. Van Scocoy

DATE: Sept. 23, 1968

CONTROL PLOTTED BY (III):
Drilled Points: - R. White
Triangulation: - A. Shands

DATE: Oct. 17, 1968
Oct. 18, 1968

CONTROL CHECKED BY (III):
Drilled Points: - A. Shands
Triangulation: - R. White

DATE: Oct. 17, 1968
Oct. 18, 1968

RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):
I. I. Saperstein

DATE: Oct. 1968

STEREOSCOPIC INSTRUMENT COMPILATION (III):
PLANIMETRY By: J.R. Minton
Reviewed By: K.R. White

DATE: Nov. 1968

CONTOURS

DATE

MANUSCRIPT DELINEATED BY (III):
R.R. White
J.R. Minton

DATE: Nov. 1968
Dec. 1968

SCRIBING BY (III):
Charles Parker

DATE: June 2, 1972

PHOTOGRAFMETRIC OFFICE REVIEW BY (III):
Compilation: C.H. Bishop
Field Edit: R.J. Pate

DATE: Dec. 1968
July 15, 1970

REMARKS:
**PHOTOGRAPHS (III)**

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<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<tr>
<td>67-L-3173</td>
<td>June 8, 1967</td>
<td>08:33</td>
<td>1:30,000</td>
<td>1.8 below MLULW</td>
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<td>67-L3189 thru 3191</td>
<td>June 8, 1967</td>
<td>09:26</td>
<td>1:30,000</td>
<td>0.6 &quot; &quot;</td>
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**REFERENCE STATION:** Jumeau, Alaska

**SUBORDINATE STATION:** Nisemeni Cove, Alaska

**WASHINGTON OFFICE REVIEW BY (IV):** Bernard Kurs, AMC  
**DATE:** April 1973

**NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):** 1  
**RECOVERED:** 1  
**IDENTIFIED:**

**NUMBER OF BM(S) SEARCHED FOR (III):** 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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<th>Step</th>
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<td>Alongshore Area For Hydro</td>
<td>Dec. 1968</td>
<td>Superseded</td>
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<tr>
<td>Field Edit Applied</td>
<td>July, 1970</td>
<td>Superseded</td>
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<td>Compilation Complete</td>
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<tr>
<td>Final Review</td>
<td>April, 1973</td>
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</table>
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 REPORT

PH-6306

T-13183

There was no field inspection prior to compilation.
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 readouts, 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, Aérotriangulation Section
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).
AEROTRIANGULATION SKETCH
HOONAH BOUND & PERIL STRAIT, ALASKA
Oct. 1960 Part 1

- 1:50,000 panchromatic
- 1:30,000 color
- Horizontal control
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR Y COORDINATE</th>
<th>LONGITUDE OR X COORDINATE</th>
<th>N.A. 1927 • DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Pt. = 304.800 mm)</th>
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<tbody>
<tr>
<td>PUMA, 1966</td>
<td>TRAVERSE</td>
<td>N.A. 1927</td>
<td>57° 40' 54.0502&quot;</td>
<td>135° 44' 13.0595&quot;</td>
<td>1672.2 (184.0)</td>
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<td>G-13912</td>
<td></td>
<td>1927</td>
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<td>216.4 (777.9)</td>
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</table>

COMPUTED BY

A.C. Rauck, Jr.

DATE

Oct. 25, 1968

CHECKED BY

CHB

DATE

1/2/69
31. **DELINEATION**

   All details on the manuscript were compiled from color photography using the Wild B-8 Stereoplotter. There was no Field Inspection.

32. **CONTROL**


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 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-13180 scale 1:10,000 to the North; T-13184 scale 1:10,000 to the East; T-13182 scale 1:10,000 to the West; and T-13187 scale 1:10,000 from Longitude 135°42'00" to 135°40'00" to the South.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No statement.

41. **FIELD EDIT**

The field edit for this sheet was well done, 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-6) 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  
Cartographic Aid  
11/22/68
Approved for forwarding:

[Signature]
Melvin J. Camp (4), CDR, NOAA
Chief, Coastal Mapping Division
AMC

Approved:

[Signature]
Alfred C. Holmes
RADM, NOAA
Director, Atlantic Marine Center
GEOGRAPHIC NAMES

FINAL NAME SHEET

ph-6306 (Hoonah Sound and Peril Strait, Alaska)
T-13183

- Chichagof Island
- Douglass Bay
- Fick Cove
- Moser Island
- Patterson Bay
- South Arm Hoonah Sound

Approved by:

[Signature]

M. Joseph Wright
Chief Geographer

Prepared by:

[Signature]

Frank W. Pickett
Cartographic Technician
T-13183

49. **NOTES FOR THE HYDROGRAPHER:**

NONE
### PHOTOMGRAMMETRIC OFFICE REVIEW

**T-13183**

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<th>1. PROJECTION AND GRIDS</th>
<th>2. TITLE</th>
<th>3. MANUSCRIPT NUMBERS</th>
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**CONTROL STATIONS**

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**BENCHMARKS**

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<th>9. PLOTTING OF SEXTANT FIXES</th>
<th>10. PHOTOGRAMMETRIC PLOT REPORT</th>
<th>11. DETAIL POINTS</th>
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**ALONGSHORE AREAS (Nautical Chart Data)**

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<th>13. LOW-WATER LINE</th>
<th>14. ROCKS, SHOALS, ETC.</th>
<th>15. BRIDGES</th>
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**AIDS TO NAVIGATION**

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<th>17. LANDMARKS</th>
<th>18. OTHER ALONGSHORE PHYSICAL FEATURES</th>
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**PHYSICAL FEATURES**

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<th>22. PLANETABLE CONTOURS</th>
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<th>24. CONTOURS IN GENERAL</th>
<th>25. SPOT ELEVATIONS</th>
<th>26. OTHER PHYSICAL FEATURES</th>
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<th>29. RAILROADS</th>
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**MISCELLANEOUS**

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<th>35. LEGIBILITY OF THE MANUSCRIPT</th>
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**DISCREPANCY OVERLAY**

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<th>36. DISCREPANCY OVERLAY</th>
<th>37. DESCRIPTIVE REPORT</th>
<th>38. FIELD INSPECTION PHOTOGRAPHS</th>
<th>39. FORMS</th>
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**REVIEWER**


**REMARKS (See attached sheet)**

**FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT**

- 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  7/6/70

**REVIEWER:**

R.J. Pate  July 15, 1970  Albert C. Rauck, Jr.

**REMARKS**

- Field Edit Applied From: Field edit ozalid T-13183
- Field photos 67-L-3173 and 67-L-3189
APPROVAL SHEET
for
FIELD EDIT
Hoonah Sound
Alaska
OPR-486

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

T-13178 through T-13189

[Signature]

John B. Watkins, Jr.
CAPT, USESSA
FIELD EDIT REPORT
Map T-13183
Peril Strait
Douglass Bay
September 1969

Field edit of map T-13183 was accomplished during September 1969. Inspection was done from a small boat and on foot in conjunction with identification of photo-hydro signals.

METHOD
Field photographs 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 and plotted on boat sheets FA-10-5-69 and FA-10-7-69 and compared to photo interpreted positions. Ledge limits were compared with those on the ozalid and extended, 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 to the ozalid by photograph number. All notes are on photos 67-L-3173 and 67-L-3189. All times are based on Meridian 105°W.

ADEQUACY OF COMPILATION
Compilation of the map is good; additional ledges not found on the compilation were located in the field and delineated and referenced to photos on the ozalid. 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
ENS, USESSA
REVIEW REPORT T-13183
SHORELINE
April, 1973

61. GENERAL STATEMENT

See summary which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED SURVEYS

No registered surveys in this area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

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

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with verified survey H-9057 and 9056 both at 1:10,000 scale dated Sept., 1969. They are in agreement except for slight differences in the MLLW line. The photogrammetric MLLW line was taken from photos taken at .6 below 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 dated May 1, 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
Cartographer
Approved for forwarding:

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

Approved:

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

Approved:

[Signature]
Chief, Photogrammetric Branch

[Signature]
Chief, Coastal Mapping Division
Hydro Surv. H-5852
* Not shown, part of ledge.

Chichagof Island

Flick Cove

39' 39'

y = 2,130,000 FT

y = 2,125,000 FT

180° 90° 135° 120° 105° 90° 75° 60° 45° 30° 15° 0°

38° 30° 57°