<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Shoreline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job No.</td>
<td>PH-6306</td>
</tr>
<tr>
<td>Map No.</td>
<td>T-13188</td>
</tr>
<tr>
<td>Classification No.</td>
<td>Edition No.</td>
</tr>
<tr>
<td>Field Edited</td>
<td></td>
</tr>
</tbody>
</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Alaska</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Locality</td>
<td>Hoonah Sound &amp; Peril Strait</td>
</tr>
<tr>
<td>Locality</td>
<td>Emmons Island</td>
</tr>
</tbody>
</table>

**1967 TO 1969**

Alfred C. Holmes, Director, AMC

**REGISTRY IN ARCHIVES**

<table>
<thead>
<tr>
<th>DATE</th>
<th></th>
</tr>
</thead>
</table>
# Descriptive Report - Data Record

**Subject No. (iii):**

PH-6306

**Field Office (iii):**

None

**Chief of Party (iii):**

OFFICER-IN-CHARGE

Atlantic Marine Center, Norfolk, VA

Alfred C. Holmes, Director, AMC

**Instructions Dated (iii) (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 High Water, except as follows:

- Elevations shown as (M) refer to mean high water
- Elevations shown as (L) 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:**

X

**Unadjusted:**


**Plane Coordinates (iv):**

\[y = 2,109,707.51 \text{ Ft.} \quad x = 2,324,276.59 \text{ Ft.}\]

**State:**

Alaska

**Zone:**

1

---

The numerals indicate whether the item is to be entered by (i) 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-13188

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

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

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

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

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

STEREOSCOPIC INSTRUMENT COMPILATION (III):
Planimetry By: R. R. White
Reviewed By: A. L. Shands

CONTOURS

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

SCRIBING BY (III):
W. Gilbert

PHOTOGRAMMETRIC OFFICE REVIEW BY (III):
C. H. Bishop

REMARKS:

DATE
Sept. 18, 1968

DATE
Sept. 24, 1968

DATE
Oct. 21, 1968
Oct. 22, 1968

DATE
Oct. 21, 1968
Oct. 22, 1968

DATE
Oct. 1968

DATE
Nov. 18, 1968
Nov. 18, 1968

DATE
Nov. 20, 1968

DATE
5/24/72

DATE
12/23/68

DATE
Aug. 1969
**DESCRIPTIVE REPORT - DATA RECORD**

**T-13188**

**PHOTOGRAPHS (III)**

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-L-3183 thru 3185</td>
<td>June 8, 1967</td>
<td>09:25</td>
<td>1:30,000</td>
<td>0.6 below MLW</td>
</tr>
</tbody>
</table>

**PredictaSe (III)**

<table>
<thead>
<tr>
<th>REFERENCE STATION:</th>
<th>Jumeau, Alaska</th>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Smallest Range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>13.0</td>
<td>16.4</td>
<td></td>
</tr>
</tbody>
</table>

**SUBORDINATE STATION:**

Nisnem Cove, Alaska

<table>
<thead>
<tr>
<th>WASHINGTON OFFICE REVIEW BY (IV):</th>
<th>Bernard Kurs, AMC</th>
<th>DATE:</th>
<th>April 1973</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>RECOVERED:</th>
<th>IDENTIFIED:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**NUMBER OF BM(S) SEARCHED FOR (III):** None

<table>
<thead>
<tr>
<th>RECOVERED:</th>
<th>IDENTIFIED:</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):** None

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

**REMARKS:**

...
<table>
<thead>
<tr>
<th>T-13188</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COMPILATION RECORD</strong></td>
<td><strong>COMPLETION DATE</strong></td>
<td><strong>REMARKS</strong></td>
</tr>
<tr>
<td>Alongshore Area For Hydrography</td>
<td>Nov. 1968</td>
<td>Superseded</td>
</tr>
<tr>
<td>Field Edit Applied Compilation Complete</td>
<td>July 1970</td>
<td>No Field Edit below 34° 30' Out of project limits Superseded</td>
</tr>
<tr>
<td>Final Review</td>
<td>April 1973</td>
<td></td>
</tr>
</tbody>
</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 AMO during March and April, 1973. One cronaflex and negative of the final reviewed manuscripts are being forwarded for record and registry.
FIELD INSPECTION

T-13188

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 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, 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).
<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>DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048005 meter)</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOG. 2, 1952</td>
<td>G.P. Vol. 3</td>
<td>N.A.</td>
<td>57° 35' 44.342&quot;</td>
<td>135° 30' 32.148&quot;</td>
<td>1371.8 (484.4)</td>
</tr>
</tbody>
</table>

COMPUTED BY A.C. Rauck, Jr. DATE Oct. 25, 1968 CHECKED BY CHB DATE 12/24/68
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**


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 SUTKA (C-5) ALASKA scale 1:63,360, dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with USCGS 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
11/20/68

Approved for forwarding:

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

Approved:

Alfred C. Holmes
RADM, NOAA
Director, Atlantic Marine Center
GEOGRAPHIC NAMES
FINAL NAME SHEET

PH-5306 (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:

[Signature]
A. Joseph Wraight
Chief Geographer

Prepared by:

3-22-73
Frank W. Pickett
Cartographic Technician
T-13188

49. NOTES FOR THE HYDROGRAPHER:

NONE
### PHOTOGRAMMETRIC OFFICE REVIEW

**T-13188**

<table>
<thead>
<tr>
<th>1. PROJECTION AND GRIDS</th>
<th>2. TITLE</th>
<th>3. MANUSCRIPT NUMBERS</th>
<th>4. MANUSCRIPT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHB</td>
<td>CHB</td>
<td>CHB</td>
<td>CHB</td>
</tr>
</tbody>
</table>

**CONTROL STATIONS**

<table>
<thead>
<tr>
<th>5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY</th>
<th>6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)</th>
<th>7. PHOTO HYDRO STATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHB</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

**BENCH MARKS**

<table>
<thead>
<tr>
<th>8. BENCHMARKS</th>
<th>9. PLOTTING OF SEXTANT FIXES</th>
<th>10. PHOTOGRAMMETRIC PLOT REPORT</th>
<th>11. DETAIL POINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>X</td>
<td>CHB</td>
<td>CHB</td>
</tr>
</tbody>
</table>

**ALONGSHORE AREAS (Nautical Chart Data)**

<table>
<thead>
<tr>
<th>12. SHORELINE</th>
<th>13. LOW-WATER LINE</th>
<th>14. ROCKS, SHOALS, ETC.</th>
<th>15. BRIDGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHB</td>
<td>CHB</td>
<td>CHB</td>
<td>X</td>
</tr>
</tbody>
</table>

**AIDS TO NAVIGATION**

<table>
<thead>
<tr>
<th>16. AIDS TO NAVIGATION</th>
<th>17. LANDMARKS</th>
<th>18. OTHER ALONGSHORE PHYSICAL FEATURES</th>
<th>19. OTHER ALONGSHORE CULTURAL FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>CHB</td>
<td>X</td>
</tr>
</tbody>
</table>

**PHYSICAL FEATURES**

<table>
<thead>
<tr>
<th>20. WATER FEATURES</th>
<th>21. NATURAL GROUND COVER</th>
<th>22. PLANETARY CONTOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHB</td>
<td>X</td>
<td>None</td>
</tr>
</tbody>
</table>

**CULTURAL FEATURES**

<table>
<thead>
<tr>
<th>23. STEREOSCOPIC INSTRUMENT CONTOURS</th>
<th>24. CONTOURS IN GENERAL</th>
<th>25. SPOT ELEVATIONS</th>
<th>26. OTHER PHYSICAL FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
<td>X</td>
</tr>
</tbody>
</table>

**BOUNDARIES**

<table>
<thead>
<tr>
<th>27. ROADS</th>
<th>28. BUILDINGS</th>
<th>29. RAILROADS</th>
<th>30. OTHER CULTURAL FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>X</td>
<td>X</td>
<td>None</td>
</tr>
</tbody>
</table>

**MISCELLANEOUS**

<table>
<thead>
<tr>
<th>31. BOUNDARY LINES</th>
<th>32. PUBLIC LAND LINES</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>33. GEOGRAPHIC NAMES</th>
<th>34. JUNCTIONS</th>
<th>35. LEGIBILITY OF THE MANUSCRIPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHB</td>
<td>CHB</td>
<td>CHB</td>
</tr>
</tbody>
</table>

**DISCREPANCY OVERLAY**

<table>
<thead>
<tr>
<th>36. DISCREPANCY OVERLAY</th>
<th>37. DESCRIPTIVE REPORT</th>
<th>38. FIELD INSPECTION PHOTOGRAPHS</th>
<th>39. FORMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHB</td>
<td>CHB</td>
<td>None</td>
<td>CHB</td>
</tr>
</tbody>
</table>

**REVIEWER**

<table>
<thead>
<tr>
<th>REVIEWER</th>
<th>REVIEWER</th>
<th>REVIEWER</th>
</tr>
</thead>
</table>

**REMARKS (See attached sheet)**

**FIELD COMPLETION ADJUSTMENTS 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

**SUPERVISOR:** A.C. Rauch, Jr.

**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

[Signature]
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 1, 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
Cartographer
Approved for forwarding:

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

Approved:

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

Approved:

[Signature]
Chief, Photogrammetric Branch

[Signature]
Chief, Coastal Mapping Division