**DESCRIPTIVE REPORT**

*Type of Survey*: Shoreline (Photogrammetric)

*Field No.*: T-10583

**LOCALITY**

*State*: Alaska

*General locality*: Maurelle Islands

*Locality*: San Lorenzo Islands

---

**CHIEF OF PARTY**

William F. Deane, Baltimore District Office

---

**LIBRARY & ARCHIVES**

---

*This survey is incomplete - refer to pages 14 and 15.*
**DESCRIPTIVE REPORT - DATA RECORD**

**T-10583**

**PROJECT NO. (III):** PH-87

**FIELD OFFICE (II):** USC&GS Ship HODGSON

**PHOTOGRAMMETRIC OFFICE (III):** Baltimore, Maryland

**CHIEF OF PARTY**

**OFFICER-IN-CHARGE**

William F. Deane

**INSTRUCTIONS DATED (II) (III):**

- Office: Nov. 7, 1955
- Nov. 13, 1956
- July 15, 1957
- Oct. 30, 1957

**METHOD OF COMPILATION (III):** Graphic

**MANUSCRIPT SCALE (III):** 1:10,000

**STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):**

**DATE RECEIVED IN WASHINGTON OFFICE (IV):**

**DATE REPORTED TO NAUTICAL CHART BRANCH (IV):**

**APPLIED TO CHART NO.:**

**DATE:**

**DATE REGISTERED (IV):**

**GEOGRAPHIC DATUM (III):** NA 1927

**REFERENCE STATION (III):** SAN, 1921

**LAT.:** 55° 35' 20.147"

**LONG.:** 133° 36' 23.720"

**PLANE COORDINATES (IV):**

- **State:** Alaska
- **Zone:** UTM 8

**Roman 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

FIELD INSPECTION BY (III):

DATE:

MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):

Office interpretation of August 1956 nine-lens photography

PROJECTION AND GRIDS RULED BY (IV):

DATE

PROJECTION AND GRIDS CHECKED BY (IV):

DATE

CONTROL PLOTTED BY (III):

DATE

CONTROL CHECKED BY (III):

DATE

RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):

E. L. Williams

Jan. 1958

STEREOSCOPIC INSTRUMENT COMPILATION (III):

PLanimetry

DATE

CONTOURS

DATE

MANUSCRIPT DELINEATED BY (III):

DATE

SCRIBING BY (III):

DATE

PHOTOGRAHMATIC OFFICE REVIEW BY (III):

DATE

REMARKS:
DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Nine-lens

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>54616 &amp; 54617</td>
<td>8-12-56</td>
<td>1522</td>
<td>1:10,000</td>
<td>7.0' above MLLW</td>
</tr>
<tr>
<td>54625 thru 54627</td>
<td>8-12-56</td>
<td>1532</td>
<td>1:10,000</td>
<td>7.2' above MLLW</td>
</tr>
</tbody>
</table>

TIDE (III)

REFERENCE STATION: Sitke

RATIO OF RANGES | MEAN RANGE | EXTREME RANGE |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7.7</td>
<td>9.9</td>
<td></td>
</tr>
</tbody>
</table>

SUBORDINATE STATION: Steamboat Bay, Noyes Island

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, AMC

DATE: June 1969

REMARKS:

Form 181a, 181b and 181c prepared by the final reviewer. There was no other data available.
<table>
<thead>
<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compiled</td>
<td>1958</td>
<td></td>
</tr>
<tr>
<td>Final Review</td>
<td>June 1969</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10583

Shoreline survey T-10583 is one of 58 similar surveys in project PH-87. It covers a part of the Maurette Islands. See page 5 of this report for the area within the project.

The only field work accomplished for this survey consisted of the identification of horizontal control. There was no field inspection or field edit.

Compilation was at 1:10,000 scale by graphic methods using the nine-lens photography of August 1956. There is no record of this survey having been provided for photo-hydro support use.

The manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 6 minutes in longitude which, drafted and reproduced on cronaflex. One cronaflex positive and a negative are provided for record and registry.
PHOTOGRAFMETRIC PLOT REPORT
Project Ph-87
Surveys T-10570 through T-10583

21. **AREA COVERED**

This radial plot covers the area of surveys T-10570 through T-10583.

These surveys cover that part of southeastern Alaska encompassing the southern half of Heceta Island, the Maurelle Islands, a western portion of Prince of Wales Island, and the most northern tip of Noyes Island.

22. **METHOD-RADIAL PLOT**

Map Manuscripts:
Vinylite sheets with polyconic projections in black and U.T.M. Alaska grid in red at a scale of 1:10,000 were furnished by the Washington office.

All control stations and substitute stations were plotted on the map manuscripts using the meter bar and beam compass.

Base sheets were prepared in this office.

A sketch showing a layout of surveys and the distribution of control and photograph centers is attached to this report.

Photographs:
All photographs used in this plot were nine-lens unmounted photographs at a scale of 1:10,000.

Seventy-three (73) photographs were used, numbered as follows:
- 41728 through 41732
- 51994 and 51995
- 52004 through 52008
- 52026 through 52030
- 52039 through 52043
- 54580 through 54630

Closure and Adjustment to Control:
The radial plot is an extension to the south of the plot for surveys T-10505 through T-10509. The radial plot was assembled in two sections. The first section covered surveys T-10570 thru T-10574, T-10577 through T-10579, and T-10582 and T-10583. The second section, comprised of the remaining surveys, is essentially a separate radial plot in that the large expanse of Tonowek Bay divides the two sections. Although, only a relatively few pass-points tie the two sections together, there is sufficient control to ensure the required horizontal accuracy.
Transfer of Points:
The map manuscripts were placed over the finished plot, oriented, and the positions of all pass-points and photograph centers pricked on the manuscript.

23. **ADEQUACY OF CONTROL**

The density and distribution of control was adequate.

The following control could not be held in the radial plots.

TURF, 1907. The radially plotted position of the station is 0.5 mm (5 meters) to the south of the plotted position. The identification is apparently in error.

24. **SUPPLEMENTAL DATA**

None.

25. **PHOTOGRAPHY**

The photographic coverage and definition of photographs used in the plot were good.

Respectfully submitted
20 January 1958

[Signature]

E. L. Williams
Carto. (Photo.)
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR X COORDINATE</th>
<th>LONGITUDE OR Y COORDINATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHI, 1921</td>
<td>3 609, pg 268</td>
<td>NA 1927</td>
<td>55° 35'</td>
<td>14.58&quot;</td>
</tr>
<tr>
<td>SAN, 1921</td>
<td></td>
<td></td>
<td>133° 37'</td>
<td>40.66</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>55° 35'</td>
<td>20.147</td>
</tr>
<tr>
<td>HUMP, 1921</td>
<td></td>
<td></td>
<td>133° 36'</td>
<td>23.720</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>55° 36'</td>
<td>46.76</td>
</tr>
<tr>
<td>NO, 1921</td>
<td></td>
<td></td>
<td>133° 39'</td>
<td>50.44</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>55° 36'</td>
<td>16.10</td>
</tr>
<tr>
<td>HILL, 1921</td>
<td></td>
<td></td>
<td>133° 38'</td>
<td>51.64</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>55° 35'</td>
<td>43.736</td>
</tr>
<tr>
<td>TI, 1921</td>
<td></td>
<td></td>
<td>133° 37'</td>
<td>33.575</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>55° 37'</td>
<td>15.23</td>
</tr>
<tr>
<td>MOOSE, 1921</td>
<td></td>
<td></td>
<td>133° 39'</td>
<td>29.48</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>55° 35'</td>
<td>02.414</td>
</tr>
<tr>
<td>W.W. 22 (BE), 1922</td>
<td></td>
<td></td>
<td>133° 37'</td>
<td>21.28</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>55° 37'</td>
<td>09.41</td>
</tr>
<tr>
<td>W.W. 24 (IN), 1922</td>
<td></td>
<td></td>
<td>133° 38'</td>
<td>57.254</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>55° 36'</td>
<td>54.671</td>
</tr>
<tr>
<td>OFF, 1922</td>
<td></td>
<td></td>
<td>133° 39'</td>
<td>45.015</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>55° 36'</td>
<td>24.470</td>
</tr>
<tr>
<td>MOKE, 1907-21</td>
<td></td>
<td></td>
<td>133° 34'</td>
<td>29.602</td>
</tr>
</tbody>
</table>

COMPUTED BY

DATE

CHECKED BY

DATE
GEOGRAPHIC NAMES

FINAL NAME SHEET

Ph-87 (Maurelle Islands, Alaska)

T-10583

Arriaga Passage
Beta Rock
Escurial Island
Esquibel Island
Flotilla Island
Gulf of Esquibel
Hacha Island
Maurelle Islands
Moke Rock
San Lorenzo Islands
Sonora Island
Sonora Passage
Toza Island

Approved by:
A. Joseph Wraight
Chief Geographer

Prepared by:
Frank W. Pickett
Cartographic Technician
SURVEYS T-10573 thru T-10583

NOTES FOR THE HYDROGRAPHER

The shoreline delineated on these surveys was interpreted using photographs taken at a fairly high stage of tide (except in Nossuk Bay). A foul line symbol was used to indicate the extent of reefs, ledges, rocks, kelp, etc., which was visible on the high tide photography. In some areas no attempt was made to show the limits because of the indefinite appearance.

In Nossuk Bay (T-10575 and T-10576), photographs were taken near low tide and office interpretation of MHW line was difficult, especially in the coves and mouth of streams. However, the foreshore features could be more completely delineated than on most of the other surveys.

T-10573 - Desconocida Reef was delineated from high tide photographs. The outline shown is only the approximate limits of the kelp visible on photographs. Careful development during hydrography is needed.

T-10574 - Elevations of rocks on which SKP, 1914 and ECH (ECH), 1914 are located is desired to assist in verifying office interpreted shoreline which was taken from low tide photography at the entrance to Warm Chuck Inlet.

T-10575 - Verify pier shown 820 meters southeast of SIAM, 1914. (also see note for T-10576).

T-10576 - Shoreline in Nossuk Bay should be carefully verified. Many areas were in deep shadows, and delineation of shoreline was from low tide photography, making interpretation of the MHW line difficult.

T-10577 and T-10578 - Interpretation of MHW line on small islets, rocks and rough shoreline was difficult because of wave action and surf, especially in the Woods Islands area. These areas, such as the small area just west of Epsilon Rock, delineated as ledge, should be inspected for completeness and accuracy of shoreline. Limits of ledges, reefs, rocks awash, and other foreshore and offshore features could not be delineated.

T-10579 - Verify existence of pier in Nagasay Cove. Also see note for T-10577.

T-10581 - Verify MHW line in Salt Lake Bay. Much was delineated from low tide photography and deep shadows caused interpretation problems. The higher tide photography was used as a guide in interpretation but the area is at the edge of the photographs and not suitable for delineation on these.

T-10582 and T-10583 - Same difficulty as for T-10577.

No attempt was made to delineate bluffs during office interpretation of shoreline. The heights, character, and extent of any bluffs of importance for charting should be indicated on field photographs during verification of shoreline delineation.
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Projection and Grids</td>
</tr>
<tr>
<td>2.</td>
<td>Title</td>
</tr>
<tr>
<td>3.</td>
<td>Manuscript Numbers</td>
</tr>
<tr>
<td>4.</td>
<td>Manuscript Size</td>
</tr>
<tr>
<td>5.</td>
<td>Control Stations</td>
</tr>
<tr>
<td>6.</td>
<td>Recoverable Horizontal Stations of Less Than Third-Order Accuracy (Topographic Stations)</td>
</tr>
<tr>
<td>7.</td>
<td>Photo Hydro Stations</td>
</tr>
<tr>
<td>8.</td>
<td>Bench Marks</td>
</tr>
<tr>
<td>9.</td>
<td>Plotting of Sextant Fixes</td>
</tr>
<tr>
<td>10.</td>
<td>Photogrammetric Plot Report</td>
</tr>
<tr>
<td>11.</td>
<td>Detail Points</td>
</tr>
<tr>
<td>12.</td>
<td>Alongshore Areas (Nautical Chart Data)</td>
</tr>
<tr>
<td>13.</td>
<td>Shoreline</td>
</tr>
<tr>
<td>14.</td>
<td>Low-Water Line</td>
</tr>
<tr>
<td>15.</td>
<td>Rocks, Shoals, Etc.</td>
</tr>
<tr>
<td>16.</td>
<td>Bridges</td>
</tr>
<tr>
<td>17.</td>
<td>Aids to Navigation</td>
</tr>
<tr>
<td>18.</td>
<td>Landmarks</td>
</tr>
<tr>
<td>19.</td>
<td>Other Alongshore Physical Features</td>
</tr>
<tr>
<td>20.</td>
<td>Other Alongshore Cultural Features</td>
</tr>
<tr>
<td>21.</td>
<td>Physical Features</td>
</tr>
<tr>
<td>22.</td>
<td>Water Features</td>
</tr>
<tr>
<td>23.</td>
<td>Natural Ground Cover</td>
</tr>
<tr>
<td>24.</td>
<td>Stereoscopic Instrument Contours</td>
</tr>
<tr>
<td>25.</td>
<td>Contours in General</td>
</tr>
<tr>
<td>26.</td>
<td>Spot Elevations</td>
</tr>
<tr>
<td>27.</td>
<td>Cultural Features</td>
</tr>
<tr>
<td>28.</td>
<td>Other Physical Features</td>
</tr>
<tr>
<td>29.</td>
<td>Roads</td>
</tr>
<tr>
<td>30.</td>
<td>Buildings</td>
</tr>
<tr>
<td>31.</td>
<td>Railroads</td>
</tr>
<tr>
<td>32.</td>
<td>Other Cultural Features</td>
</tr>
<tr>
<td>33.</td>
<td>Boundaries</td>
</tr>
<tr>
<td>34.</td>
<td>Boundary Lines</td>
</tr>
<tr>
<td>35.</td>
<td>Public Land Lines</td>
</tr>
<tr>
<td>36.</td>
<td>Miscellaneous</td>
</tr>
<tr>
<td>37.</td>
<td>Geographic Names</td>
</tr>
<tr>
<td>38.</td>
<td>Juncions</td>
</tr>
<tr>
<td>39.</td>
<td>Legibility of the Manuscript</td>
</tr>
<tr>
<td>40.</td>
<td>Discrepancy Overlay</td>
</tr>
<tr>
<td>41.</td>
<td>Descriptive Report</td>
</tr>
<tr>
<td>42.</td>
<td>Field Inspection Photographs</td>
</tr>
<tr>
<td>43.</td>
<td>Forms</td>
</tr>
<tr>
<td>44.</td>
<td>Reviewer</td>
</tr>
<tr>
<td>45.</td>
<td>Supervisor, Review Section or Unit</td>
</tr>
</tbody>
</table>

**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.

**Remarks**

This form prepared by the final reviewer.
61. GENERAL STATEMENT

See Summary which is page 6 of this report.

This is an incomplete manuscript. Most of the data for this survey had become lost prior to final review. Data available at this time consisted of the vinylite manuscript, office photographs and field photographs which contained no information other than identification of horizontal control. 

The identification of horizontal control is believed to have been accomplished during the 1957 field season. The radial plot was run in the Baltimore office and the manuscript then compiled in the Washington office. The survey was not field edited and there is no contemporary hydrography within the limits of the map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with registered survey No. 3407, 1:20,000 scale, made in 1913. The shoreline of that survey is not in good agreement with that of T-10583. The difference has been noted on the comparison print in blue.

The high stage of the tide at the time of photography and large areas of kelp obscured many of the rocks on the photography. These have also been indicated in blue on the comparison print.

The shoreline of T-10583 supersedes that of survey No. 3407 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with USGS CRAIG (C-5) ALASKA, 15 x 20 minute 1:63,360 scale quadrangle, edition of 1951. The two surveys are in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There are no contemporary hydrographic surveys within the limits of this map.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 8157, 6th edition, February 21, 1966. The shoreline of the chart is not in good agreement with that of T-10583.

Y THE PLOT REPORT AND "NOTES TO THE CHARTGRASSER" ARE BOUND WITH THIS DESCRIPTIVE REPORT. NO FIELD INSPECTION OR FIELD EDIT WERE ACCOMPLISHED FOR THIS MAP.
As stated in item 62, the high stage of the tide at the time of photography, and large areas of kelp obscured many rocks. All rocks visible on the photographs have been mapped.

The difference in the shoreline of the two surveys and all rocks shown on the chart that are not visible on the photographs have been indicated on the comparison print in red.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Approved by:  

Allen L. Powell, RADM, USESSA  
Director, Atlantic Marine Center

Reviewed by:  

Leo F. Beugnet

Approved by:  

Everett H. Keyes  
Chief, Photogrammetric Branch

Reviewed by:  

R.H. Koubler  
Chief, Photogrammetry Division

Chief, Nautical Chart Division

* This survey is incomplete (refer to page 14, heading 61). A new basic survey is recommended for use in charting and hydrographic activities due to inadequacies in photography for compilation purposes (refer to page 12 of this report) and the lack of field clarification and verification of details.

Basic Map Accuracy - Horizontal control was field identified, and the radial plot was considered adequate to serve as control for mapping to meet the national standards of map accuracy.
ESQUIBEL ISLAND

55° 37' 00"

Shoreline in red from Chart 3157
Shoreline in blue from Survey 3407

All rocks visible on the photos have been mapped

MOKE, 1907-21

55° 36' 35"

MOKE RK
Shoreline in blue from Survey 3407
Shoreline in red from chart 4157

All rocks visible on the photos have been mapped
Shoreline in red from Chart P157
Shoreline in blue from Survey 3467
All rocks visible on the photos have been mapped.