**NOAA FORM 76-35**  
(5-80)  
**U.S. DEPARTMENT OF COMMERCE**  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

# DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>T-12368</td>
<td>1</td>
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<table>
<thead>
<tr>
<th>Job No.</th>
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<tbody>
<tr>
<td>PH-6303</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Map Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINAL FIELD EDITED MAP</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of Survey</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHORELINE</td>
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</table>

## LOCALITY

<table>
<thead>
<tr>
<th>State</th>
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<tbody>
<tr>
<td>ALASKA</td>
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<table>
<thead>
<tr>
<th>General Locality</th>
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<tbody>
<tr>
<td>CLARENCE STRAIT</td>
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<table>
<thead>
<tr>
<th>Locality</th>
</tr>
</thead>
<tbody>
<tr>
<td>STONE ISLANDS</td>
</tr>
</tbody>
</table>

**1963 TO 1972**

**REGISTERED IN ARCHIVES**

**DATE**
# Descriptive Report - Data Record

## Photogrammetric Office
Coastal Mapping Division
AMC, Norfolk, VA

## Officer-In-Charge
Jeffrey G. Carlen

## Type of Survey
- Original
- Revise
- Resurvey
- Revise

## Survey TR
- 1236R

## Map Edition No.
- 01

## Job PH
- 6303

## Last Preceding Map Edition

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Original</th>
<th>Revise</th>
<th>Resurvey</th>
<th>Revise</th>
<th>Job</th>
<th>PH</th>
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</table>

## Instructions Dated

<table>
<thead>
<tr>
<th>Office</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerotriangulation</td>
<td>Jan 9, 1967</td>
</tr>
<tr>
<td>Compilation</td>
<td>March 20, 1967</td>
</tr>
<tr>
<td>Compilation Supp 1</td>
<td>Nov 6, 1970</td>
</tr>
<tr>
<td>Compilation Supp 2</td>
<td>Nov 23, 1970</td>
</tr>
<tr>
<td>Compilation Supp 3</td>
<td>Nov 5, 1971</td>
</tr>
<tr>
<td>Compilation Amend 1</td>
<td>Dec 7, 1971</td>
</tr>
<tr>
<td>Control</td>
<td>Feb 10, 1966</td>
</tr>
</tbody>
</table>

## Datums

### 1. Horizontal:
- 1927 North American

### 2. Vertical:
- Mean High-Water
- Mean Low-Water
- Mean Lower Low-Water
- Mean Sea Level

### 3. Map Projection
- Polyconic

### 4. Grid(s)
- State: Alaska
- Zone: 1

## Scale
- 1:10,000

## History of Office Operations

<table>
<thead>
<tr>
<th>Operations</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Aerotriangulation by stereoplanigraph</td>
<td>L. Perrow</td>
<td>Dec 1970</td>
</tr>
<tr>
<td>5. Office Inspection Prior to Field Edit</td>
<td>L. Graves &amp; L. Neterer, R. Pate</td>
<td>Apr 1971, Apr 1971</td>
</tr>
<tr>
<td>7. Compilation Section Review</td>
<td>R. Butler</td>
<td>May 1978</td>
</tr>
<tr>
<td>9. Data Forwarded to Photogrammetric Branch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Data Examined in Photogrammetric Branch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Map Registered - Coastal Survey Section</td>
<td></td>
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---

*U.S. G.P.O. 1972-769382/582 REG. #6*
1. Compilation Photography

<table>
<thead>
<tr>
<th>Camera(s)</th>
<th>Types of Photography LEGEND</th>
<th>Time Reference</th>
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</thead>
<tbody>
<tr>
<td>Wild RC-8&quot;H&quot;, &quot;I&quot;</td>
<td>(C) Color</td>
<td>Pacific</td>
</tr>
<tr>
<td>TIDE STAGE REFERENCE</td>
<td>(P) Panchromatic</td>
<td>Zone</td>
</tr>
<tr>
<td></td>
<td>(I) Infrared</td>
<td>120th Meridian</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Number and Type</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>63W 7878 &amp; 7879</td>
<td>Jul 4, 1963</td>
<td>13:24</td>
<td>1:15,000</td>
<td>12.3 ft above MLLW</td>
</tr>
<tr>
<td>65L 5113 &amp; 5114</td>
<td>Jul 30, 63</td>
<td>10:41</td>
<td>1:30,000</td>
<td>-.2:2 ft below MLLW</td>
</tr>
<tr>
<td>63W 7318 &amp; 7319</td>
<td>Jul 2, 63</td>
<td>11:18</td>
<td>1:30,000</td>
<td>11.5 ft above MLLW</td>
</tr>
<tr>
<td>63W 7900-7904</td>
<td>Jul 4, 63</td>
<td>13:33</td>
<td>1:15,000</td>
<td>12.1 ft above MLLW</td>
</tr>
</tbody>
</table>

Remarks

2. Source of Mean High-Water Line:

The mean high water line was compiled from the above listed photography.

3. Source of Mean Low-Water or Mean Lower Low-Water Line:

The mean lower low water line was compiled from the above listed photography, north half of the map only.

4. Contemporary Hydrographic Surveys (List only those surveys that are sources for photogrammetric survey information.)

<table>
<thead>
<tr>
<th>Survey Number</th>
<th>Date(s)</th>
<th>Survey Copy Used</th>
<th>Survey Number</th>
<th>Date(s)</th>
<th>Survey Copy Used</th>
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<tbody>
<tr>
<td></td>
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5. Final Juncions

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<thead>
<tr>
<th>North</th>
<th>East</th>
<th>South</th>
<th>West</th>
</tr>
</thead>
<tbody>
<tr>
<td>no survey</td>
<td>T-11977</td>
<td>T-12371</td>
<td>T-12370</td>
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Remarks
## HISTORY OF FIELD OPERATIONS

### 1. FIELD INSPECTION OPERATION

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>B.I. Williams</td>
<td>Apr 1966</td>
</tr>
<tr>
<td>2. HORIZONTAL CONTROL</td>
<td>L. Riggers</td>
<td>Apr 1966</td>
</tr>
<tr>
<td>3. VERTICAL CONTROL</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
<td>None</td>
<td>None</td>
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### 5. GEOGRAPHIC NAMES

<table>
<thead>
<tr>
<th>TYPE OF INVESTIGATION</th>
<th>COMPLETE</th>
<th>SPECIFIC NAMES ONLY</th>
<th>NO INVESTIGATION</th>
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### 6. PHOTO INSPECTION

<table>
<thead>
<tr>
<th>CLARIFICATION OF DETAILS</th>
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<tr>
<td>none</td>
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### 7. BOUNDARIES AND LIMITS

<table>
<thead>
<tr>
<th>SURVEYED OR IDENTIFIED BY</th>
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<tbody>
<tr>
<td>none</td>
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### II. SOURCE DATA

<table>
<thead>
<tr>
<th>PHOTO NUMBER</th>
<th>STATION NAME</th>
<th>PHOTO NUMBER</th>
<th>STATION DESIGNATION</th>
</tr>
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<tbody>
<tr>
<td>63W 7319</td>
<td>STONE, 1916 sub pts A, B, &amp; C</td>
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<td></td>
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### 8. OTHER FIELD RECORDS

- Sketch books, etc. DO NOT list data submitted to the Geodesy Division
- 2 forms 152
### History of Field Operations

<table>
<thead>
<tr>
<th>Operation</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief of Field Party</td>
<td>H. R. Houlder</td>
<td>May 1972</td>
</tr>
<tr>
<td>Horizontal Control</td>
<td>none</td>
<td>none</td>
</tr>
<tr>
<td>Vertical Control</td>
<td>none</td>
<td>none</td>
</tr>
<tr>
<td>Landmarks and Aids to Navigation</td>
<td>none</td>
<td>none</td>
</tr>
<tr>
<td>Geographic Names Investigation</td>
<td>E. Wood</td>
<td>May 1972</td>
</tr>
<tr>
<td>Photo Inspection</td>
<td>none</td>
<td>南阳</td>
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<tr>
<td>Boundaries and Limits</td>
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### Source Data

<table>
<thead>
<tr>
<th>Horizontal Control Identified</th>
<th>Vertical Control Identified</th>
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</thead>
<tbody>
<tr>
<td>None</td>
<td>NA</td>
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</table>

<table>
<thead>
<tr>
<th>Photo Numbers (Clarification of details)</th>
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<tbody>
<tr>
<td>63W-7877, 7878, 7319, 7900, 7901, 7904, and 65L-5113</td>
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</table>

### Landmarks and Aids to Navigation Identified

<table>
<thead>
<tr>
<th>Object Name</th>
<th>Object Name</th>
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</thead>
<tbody>
<tr>
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### Geographic Names

<table>
<thead>
<tr>
<th>Report</th>
<th>None</th>
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</table>

<table>
<thead>
<tr>
<th>Boundary and Limits</th>
<th>Report</th>
<th>None</th>
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</thead>
</table>

### Supplemental Maps and Plans

| None |

### Other Field Records (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

- Field Edit Report & field notebook
- Field Edit Ozalid
### I. MANUSCRIPT COPIES

<table>
<thead>
<tr>
<th>Compilation Stages</th>
<th>Date</th>
<th>Remarks</th>
<th>Marine Charts</th>
<th>Hydro Support</th>
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<tbody>
<tr>
<td>Compilation complete pending field edit</td>
<td>Apr 1971</td>
<td>Class III</td>
<td>May 14, 71</td>
<td>Apr 21, 71</td>
</tr>
<tr>
<td>Field edit applied</td>
<td>May 1978</td>
<td>Class III</td>
<td>Jun 15, 78</td>
<td>Apr 9, 74</td>
</tr>
<tr>
<td>Final Review</td>
<td>Apr 1987</td>
<td>Final Field Edited Map</td>
<td>June 15/8</td>
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</table>

### II. LANDMARKS AND AIDS TO NAVIGATION

<table>
<thead>
<tr>
<th>Number</th>
<th>Chart Letter Number Assigned</th>
<th>Date Forwarded</th>
<th>Remarks</th>
</tr>
</thead>
</table>

- None

### III. FEDERAL RECORDS CENTER DATA

1. Bridging Photographs; Duplicate Bridging Report; Computer Readouts.
2. Control Station Identification Cards; Form NOS 567 Submitted by Field Parties.
3. Source Data (except for Geographic Names Report) as listed in Section II, NOAA Form 76-36C.

### IV. SURVEY EDITIONS

<table>
<thead>
<tr>
<th>Survey Edition</th>
<th>Survey Number</th>
<th>Job Number</th>
<th>Type of Survey</th>
<th>Map Class</th>
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<tbody>
<tr>
<td>Second Edition</td>
<td>TP - (2)</td>
<td>PH -</td>
<td>Revised</td>
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<tr>
<td>Third Edition</td>
<td>TP - (3)</td>
<td>PH -</td>
<td>Revised</td>
<td>Map Class</td>
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<tr>
<td>Fourth Edition</td>
<td>TP - (4)</td>
<td>PH -</td>
<td>Revised</td>
<td>Map Class</td>
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</table>
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-12368

This 1:10,000 scale shoreline map is one of thirty-four maps that comprise project PH-6303, Clarence Strait, Alaska. This project encompasses Clarence Strait and Ernest Sound, latitude 55° 28' 45" north to latitude 56° 00' 00" and longitude 131° 55' 00" west to longitude 132° 45' 00".

Photographic coverage was provided in July 1963 using the "W" camera (focal length 153.02 millimeters) at 1:15,000 and 1:30,000 scale, and in July 1965 using the "L" camera (focal length 152.21 millimeters) at 1:30,000 scale. Black and white panchromatic film was used both years.

Field work prior to compilation consisted of photoidentification of horizontal control for aerotriangulation in May 1966.

Analytic aerotriangulation was performed at the Washington Science Center in December 1970.

Compilation was performed at the Atlantic Marine Center during April 1971.

Field edit was accomplished during May 1972.

Application of field edit and advancing this map to Class I status was achieved in May 1978.

Final review was completed at the Atlantic Marine Center during April 1987.

This Descriptive Report contains all pertinent information used to compile this Final Field Edited Map.

The original base map and all pertinent data were forwarded to the Washington Science Center for final registration.
FIELD INSPECTION REPORT

Project MI-6303

Shoreline Mapping, Clarence Strait & Ernest Sound Alaska

May, 1966

Shoreline Manuscripts T-11982 and T-12363 thru T-12387

The area of the project is along the shores of Clarence Strait and the entrance of Ernest Sound, including Tolstoi Bay and Union Bay. The area is in a remote section of southeast Alaska, accessible only by ship or airplane.

There are three communities, Meyers Chuck, Thorne Bay and Ratz Harbor. The latter two are logging camps.

The interior areas are covered with a dense growth of coniferous timber, chiefly spruce, hemlock and cedar.

Horizontal control consisted of the photo-identification of the required triangulation stations. New station were established by triangulation or traverse utilizing the electronic distance measuring instruments (Fairchild MC-8 Electrochains).

The shoreline is mostly rocky and irregular. Numerous ledges extend seaward from the rocky headlands and points. The strata formation of many of the ledges are in vertical or incline planes making the ledges quite irregular and jagged. The shoreline of occasional small heights will be of a gravel, stone or boulder composition.

The shoreline was field inspected at landing sites, these locations usually being at the site of triangulation stations. The interpretation of the mean high water line on photography taken at low water can be distinguished in the following manner. Adjacent to the existing water level at the time of photography will be a white area. This is mostly barnacles and similar marine
life that reflects a white tone. This will appear as a white band paralleling
the shoreline. This is followed by a dark, nearly black color tone. This
area receives only occasional wave action during storms. This appears on the
photography as a dark band adjacent to and next in elevation above the white
band of barnacles. Above the dark band will usually be seen a greyish color
tone, extending to the tree line. This is composed of grass, lichens and debris
on the bedrock. The mean high water line is at the junction of the white barn-
acle band and the dark band. An example of this can be noted by observing contact
photograph 65 L 029 in the vicinity of the field identification of station
OVAL, 1916.

Approved:

Bruce S. Williams
Bruce S. Williams Lt. E55A
C.O. Ship PATTON

Respectfully submitted

Robert E. Holby
Surveying Technician, C AGS
Photogrammetric Plot Report
Job PH-6303
Clarence Strait, Alaska
Part II - Northern Half

December 3, 1970

21. Area Covered

The area covered is in and around the junction of Ernest Sound and Clarence Strait, Alaska. Included are T-Sheets 11977 thru 11982, 12363 thru 12371, 12374 and 13237 thru 13240, at 1:10,000 scale, in Zone 1, Alaska Plane Coordinates.

22. Method

Seven strips were bridged on the stereoplanigraph and adjusted by I.B.M. 1620 methods. Strip #4 (63-W-7254 thru 7258) was adjusted on three triangulation sub-stations and two tie points from Strip #3 (Part I). Companion sub-stations and additional tie points served as checks. Strip #7 (65-L-5098 thru 5105) was adjusted on four triangulation sub-stations with companion sub-stations and tie points from Strip #12 as checks. Strip #8 (63-W-7324 thru 7330) was bridged only in part. 63-W-7324 thru 7328 was bridged and adjusted by a first order curve (straight line). The method employed two sub-stations for adjustment, with companion sub-stations and six tie points as checks. The remainder of the Strip (63-W-7329 and 7330) must be detailed graphically from ratio prints. Strip #9 (65-L-5109 thru 5116) was adjusted on four triangulation sub-stations with companion sub-stations, one additional triangulation station and five tie points with Strip #10 as checks. Strip #10 (63-W-7311 thru 7319) was bridged on three triangulation sub-stations with companion sub-stations and eleven tie points with Strips #8 and #9 as checks. Strip #11 (63-W-7291 thru 7306) was adjusted on four triangulation sub-stations and checked with tie points from Strip #6. Strip #12 (65-L-5091 thru 5096) was adjusted on four triangulation sub-stations with tie points from Strips #4 and #7 as checks. All points were drilled on the PUG. All tie points between strips were averaged. Some outlying islands in Sheet T-11977 and T-11978 could not be covered by bridging, nor can the area be compiled, with any accuracy, by graphic methods. Completion of these two sheets should be completed by the ship during the hydrographic survey.
23. Adequacy of Control

Horizontal control was adequate and complied with project instructions. All stations held within National Map Accuracy Standards with the following exceptions:

(1) Drag, 1916 SS "C". This position was of poor image quality. In addition, it was allowed to drift by using tie points from Strip #3, as control on Strip #4. This solution provided the best overall fit.

24. Supplemental Data

Local GS quads were used to provide level points for bridging Operations. Due to the nature of the terrain and the scale of the quads, these elevations are very approximate.

25. Photography

Photography was good in coverage, overlap, and definition.

Submitted by:

John D. Perrow, Jr.

Approved by:

Henry P. Bichert
Chief, Aerotriangulation Section
Strip #4 does not fit within itself too well. However, the best overall fit was made so that the strip could be tied to Strip #3 (Part I), which had been compiled at an earlier date.

Strip #8 is positioned too far out over the water to provide more than a quarter of a model in that portion of the strip north of triangulation station Mabel. These small portion models would be extremely difficult to bridge, and equally as difficult to set in a compilation instrument. Therefore, points common to both strips in that area were selected in critical areas to establish ratioing constants for Strip #8, so that those photographs could be used in compiling the alongshore detail by graphic methods.

Just south of the area covered by Strip #9, are a number of islands which could not be covered by bridging operations, due to excessive water areas. These islands are located on T-Sheets 11977 and 11978. Ratio prints of this area were made at a three time enlargement, however, these are uncontrolled, and the exact scale cannot be determined. It is recommended that the islands on these two T-Sheets be located and positioned by the hydrographic survey party.

Strip #11. It is recommended that the area covered by model 63-W-7291 - 7292 be detailed from Strip #6 (Part I), since Strip #6 seems to be the stranger photogrammetric bridge.

Note: The published position of station HASH, 1966, is in error. A new position was provided by Geodesy. The sub-stations for Station OVAL, 1916, could not be seen on the bridging photography.
<table>
<thead>
<tr>
<th>STATION NAME</th>
<th>SOURCE OF INFORMATION</th>
<th>AEROTRIANGULATION POINT NUMBER</th>
<th>COORDINATES IN FEET</th>
<th>GEOGRAPHIC POSITION</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>STONE, 1916</td>
<td>pg.23</td>
<td>55132</td>
<td>x=</td>
<td>55 54 04.802</td>
<td>(1707.2)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>y=</td>
<td>132 17 19.556</td>
<td>(702.8)</td>
</tr>
<tr>
<td>ONE, 1916</td>
<td>pg.16</td>
<td>55132</td>
<td>x=</td>
<td>55 54 10.49</td>
<td>(1531.3)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>y=</td>
<td>132 17 12.75</td>
<td>(821.0)</td>
</tr>
</tbody>
</table>

COMPUTED BY       A. C. Rauck, Jr.   DATE 11/18/70
COMPUTATION CHECKED BY B. Wilson   DATE 11/24/70
LISTED BY
LISTING CHECKED BY
HAND PLOTTING BY
HAND PLOTTING CHECKED BY

SUPERSEDS NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.
31. **DELINEATION:**

The Wild B-8 stereoplotter was used for delineation. Photography for delineation of the mean high water line was adequate. There was no mean lower low water line shown for the south half of the manuscript due to the lack of low water photography for that area.

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:**

The mean high water line was delineated from office interpretation of the photographs taken at 12.3 ft. above mean lower low water. Details of the foreshore and mean lower low water line was delineated from office interpretation of the photographs taken at 2.2 ft below mean lower low water for the north portion. No low water photographs were available for the area to the south of the latitude 55° 54'. An arbitrary dashed line was shown in this area to indicate a probable limit of ledge and foul areas. All tides were computed from the predicted tide tables.

36. **OFFSHORE DETAILS:**

See Item 35, concerning the stage of tide at the time of the photography.

37. **LANDMARKS AND AIDS:**

No landmarks or aids were found in this area.
38. **CONTROL FOR FUTURE SURVEYS**:  
No comment.

39. **JUNCTIONS**:  
See Form 76-36B.

40. **HORIZONTAL AND VERTICAL ACCURACY**:  
No statement.

46. **COMPARISON WITH EXISTING MAPS**:  
A comparison has been made with U.S.G.S. Quadrangle Craig (D-1), Alaska, scale 1:63,360 dated 1951.

47. **COMPARISON WITH NAUTICAL CHARTS**:  
A comparison has been made with Chart 8161, 3rd edition, April 11, 1966, scale 1:80,000.

**ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY**:  
None.

**ITEMS TO BE CARRIED FORWARD**:  
None.

Submitted by:  
L. L. Graves  
Cartographic Technician  
April 8, 1971

Approved and forwarded:  
A. C. Rauck, Jr.  
Chief, Coastal Mapping Section
GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6303 (Clarence Strait, Alaska)

T-12368

Eagle Island
Ernest Sound
Etolin Island
Stones Islands

Approved:

Charles E. Harrington
Chief Geographer
Nautical Charting Division
Charting and Geodetic Services
FIELD EDIT REPORT
Ernest Sound - S.E. Alaska
OPR 465
March-May 1972

INTRODUCTION

Field edit reports are attached for the following maps:

T-11977      T-11981
T-11978      T-11982
T-11979      T-12368
T-11980      T-12371

Field photographs and copies of the field edit ozalids were taken into
the field. The mean high water line was verified by visual inspection
of the shoreline and ozalids in the field. Sextant fixes were plotted
on boat sheets FA 10-1-72, FA 10-2-72, and FA 10-3-72. The hydrographic
location was then compared with the photogrammetric position. Height
data for all rocks, ledges and some shoreline is either written directly
on the ozalid or entered in the field edit notebook along with position
data, in which case the notebook and page number are referenced on the
ozalid.

Notes have been made in violet on the office photographs and have been
cross-referenced on the field edit ozalids by photograph number. All
notes on the field photographs have been transferred to the office photos
due to the poor condition of the field photographs.

All times through 30 April 1972 are based on 120°W meridian. All times
after this date are based on 105°W meridian due to conversion to Daylight
Saving Time. The following maps are affected by both time zones:

T-11977      T-12368
T-11978

Compilation of the maps is good. It is recommended that the maps be re-
vised in accordance with the notes on the photographs and the field edit
notebook before acceptance as advance manuscripts. Field inspection of
these maps is complete.

Approved by:

R. H. Houlder
CAPT NOAA
Cmdg Ship FAIRWEATHER
FIELD EDIT REPORT

Map T-12368

Ernest Sound - S.E. Alaska

Field edit of Map T-12368 was done by LT (jg) Emerson G. Wood and LT (jg) David B. McLean during April and May, 1972. Inspection was done from a small boat and on foot when fixes on land were required.

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 beach area and the ozalid in the field, and by measured distances from the MHWL to photo-identifiable objects. Isolated rocks, ledges, and some shoreline were located by sextant fixes and plotted on boat sheet FA 10-1

72. Heights of rocks, reefs, and high points of ledges are noted on the photographs, in the field edit notebook, or directly on the ozalid.

Notes have been made in violet on the office photographs and have been cross-referenced on the field edit ozalid by photograph number. The following photographs were referenced on the ozalid:

| 63W-7877 | 63W-7901 |
| 63W-7878 | 63W-7904 |
| 63W-7319 | 65L-5113 |
| 63W-7900 |

Times are based on 120°W meridian (before 30 April 1972) and on 105°W meridian (after 30 April 1972).

ADEQUACY OF COMPILATION

Compilation of this map is good. Hydrographic location of features compares well to photogrammetric location. Note is made of the following items:

A submerged reef at Lat. 55°55.7’N, Long. 132°16.3’W, was not visible at low tide, although hydro records (FA 10-2-72) show a depth of 1.7 fms. at this position.

One rock at Lat. 55°55.08’N, Long. 132°19.5’W, was not visible at low water. Hydrographic records (FA 10-1-72) show a sounding of 2.3 fms. at this location.

A rock shown on the edge of the foul line at Lat. 55°54.25’N, Long. 132°18.32’W, was not visible at low water.
A submerged ledge was found to exist at the position of two rocks shown at Lat. 55°55.14'N, Long. 132°18.5'W. Hydrographic records verified the positions of the two rocks (PA 10-1-72).

The following items were located in the field, but are not shown on the ozalid:

A sunken ledge exists at Lat. 55°53.70'N, Long. 132°17.58'W.

Three rocks were located at Lat. 55°53.78', Long. 132°16.70', and one rock was found at Lat. 55°53.90', Long. 132°16.88', indicating an extensive shoal area to the east of Stones Islands.

Field inspection of the map is complete.

RECOMMENDATIONS

It is recommended that the map be revised in accordance with the notes on the photographs and in the field edit notebook, and that the map be accepted as an advance manuscript.

Respectfully submitted,

Emerson G. Wood
LT (jg), NOAA
61. **GENERAL STATEMENT:**

See Summary included with this report. The photographs used to compile the Mean Lower Low Water Line only covered the northern half of this map.

62. **COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:**

Not applicable.

63. **COMPARISON WITH MAPS OF OTHER AGENCIES:**

A comparison was made with U. S. Geological Survey Quadrangle: Craig (D-1) Alaska, dated 1951.

64. **COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:**

A comparison was made with Hydrographic Surveys H-9285 and H-9286, both 1:10,000 scale.

65. **COMPARISON WITH NAUTICAL CHARTS:**

A comparison was made with NOS charts:

17385, 11th edition, dated August 11, 1984, scale 1:80,000;
17360, 26th edition, dated August 18, 1984, scale 1:217,828; and

66. **ADEQUACY OF RESULTS AND FUTURE SURVEYS:**

This map complies with the Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by:

Lowell O. Neterer, Jr.
Final Reviewer
April 17, 1987

Approved for forwarding:

Billy H. Barnes
Chief, Quality Assurance Group, AMC

Approved:

Jody O. Brown
Chief, Photogrammetric Production Sect.

Chief, Photogrammetry Branch
**INSTRUCTIONS**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

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