**NOAA FORM 75-25**

**U.S. DEPARTMENT OF COMMERCE**
**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**
**NATIONAL OCEAN SURVEY**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Shoreline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job No.</td>
<td>PH-6909</td>
</tr>
<tr>
<td>Map No.</td>
<td>T-12469</td>
</tr>
<tr>
<td>Classification No.</td>
<td>Final</td>
</tr>
<tr>
<td>Edition No.</td>
<td>1</td>
</tr>
<tr>
<td>Field Edited Map</td>
<td></td>
</tr>
</tbody>
</table>

**LOCALITY**

- State: Alaska
- General Locality: Summer Strait
- Locality: Mud Creek

**DATE**

1969 TO 1971

**REGISTRY IN ARCHIVES**

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901
**DESCRIPTIVE REPORT - DATA RECORD**

**PHOTOGRAMMETRIC OFFICE**
Coastal Mapping Division
Norfolk, Va.

**OFFICER-IN-CHARGE**
Jeffrey Carlen, CDR/NOAA

### 1. INSTRUCTIONS DATED

<table>
<thead>
<tr>
<th>1. OFFICE</th>
<th>2. FIELD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerotriangulation October 2, 1969</td>
<td>Premarking May 14, 1969</td>
</tr>
<tr>
<td>Compilation September 14, 1970</td>
<td></td>
</tr>
<tr>
<td>Compilation November 6, 1970</td>
<td></td>
</tr>
<tr>
<td>Compilation Amend I November 20, 1970</td>
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### II. DATUMS

<table>
<thead>
<tr>
<th>1. HORIZONTAL:</th>
<th>OTHER (Specify)</th>
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<tbody>
<tr>
<td>1927 North American</td>
<td></td>
</tr>
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<table>
<thead>
<tr>
<th>2. VERTICAL:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean High-Water</td>
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</table>

<table>
<thead>
<tr>
<th>3. MAP PROJECTION</th>
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</thead>
<tbody>
<tr>
<td>Polygonic</td>
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<table>
<thead>
<tr>
<th>5. SCALE</th>
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</thead>
<tbody>
<tr>
<td>1:10,000</td>
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### III. HISTORY OF OFFICE OPERATIONS

<table>
<thead>
<tr>
<th>OPERATIONS</th>
<th>NAME</th>
<th>DATE</th>
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<tbody>
<tr>
<td>1. AEROTRIANGULATION METHOD: Analytical</td>
<td>R. Kelly</td>
<td>Apr 1970</td>
</tr>
<tr>
<td>LANDMARKS AND AIDS BY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. CONTROL AND BRIDGE POINTS METHOD: Coromat</td>
<td>P. Dempsey</td>
<td>Sept 1970</td>
</tr>
<tr>
<td>PLOTTED BY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8</td>
<td>A. Shands</td>
<td>Dec 1970</td>
</tr>
<tr>
<td>PLANIOMETRY BY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCALE: 1:15,000</td>
<td>R. White</td>
<td>Dec 1970</td>
</tr>
<tr>
<td>CONTOURS BY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. MANUSCRIPT DELINEATION METHOD: Smooth drafted 1:10,000</td>
<td>F. Margiotta</td>
<td>Jan 1971</td>
</tr>
<tr>
<td>PLANIMETRY BY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCALE: 1:10,000</td>
<td>B. Wilson</td>
<td>Jan 1971</td>
</tr>
<tr>
<td>HYDRO SUPPORT DATA BY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</td>
<td>A. Shands</td>
<td>Dec 1970</td>
</tr>
<tr>
<td>BY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. APPLICATION OF FIELD DATA EDIT</td>
<td>B. Wilson</td>
<td>Jan 1971</td>
</tr>
<tr>
<td>BY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. COMPILATION SECTION REVIEW</td>
<td>A. Shands</td>
<td>Mar 1972</td>
</tr>
<tr>
<td>BY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. FINAL REVIEW</td>
<td>B. Wilson</td>
<td>Mar 1972</td>
</tr>
<tr>
<td>BY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</td>
<td>A. L. Shands</td>
<td>Sept 1979</td>
</tr>
<tr>
<td>BY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</td>
<td>A. L. Shands</td>
<td>Dec 1979</td>
</tr>
<tr>
<td>BY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. MAP REGISTERED - COASTAL SURVEY SECTION</td>
<td>F. R. Watts</td>
<td>Feb 1980</td>
</tr>
<tr>
<td>BY</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>F. L. Daugherty</td>
<td>Jun 1980</td>
</tr>
</tbody>
</table>
### 1. COMPILATION PHOTOGRAPHY

**CAMERA(S):** Wild RC 8 "E"

**TIDE STAGE REFERENCE:**
- **XX PREDICTED TIDES**
- [ ] REFERENCE STATION RECORDS
- [ ] TIDE CONTROLLED PHOTOGRAPHY

<table>
<thead>
<tr>
<th>NUMBER AND TYPE</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<tbody>
<tr>
<td>69E(C) 988-990</td>
<td>8/5/69</td>
<td>12:36PST</td>
<td>1:30,000</td>
<td>3.2 ft. above MLLW</td>
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<tr>
<td>69E(C) 2016-2018</td>
<td>8/24/69</td>
<td>14:36PST</td>
<td>1:20,000</td>
<td>8.2 ft. above MLLW</td>
</tr>
</tbody>
</table>

**REMARKS:**
Subordinate Sta. Sumner Island, Sumner Strait, Alaska Mean Range 10.3 Ft.
Leve Islands, Sumner Strait, Alaska Mean Range 12.6 Ft.

### 2. SOURCE OF MEAN HIGH-WATER LINE:

From the above list of photographs, augmented by field notes.

### 3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

None Compiled.

### 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>
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<tr>
<td></td>
<td></td>
<td></td>
<td>T-13374</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T-12470</td>
<td></td>
<td></td>
<td>T-12468</td>
<td></td>
<td></td>
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### 5. FINAL JUNCTIONS

**NORTH:** No survey  
**EAST:** T-13374  
**SOUTH:** T-12470  
**WEST:** T-12468

**REMARKS:**
### HISTORY OF FIELD OPERATIONS

#### 1. FIELD INSPECTION OPERATION

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
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<tbody>
<tr>
<td>CHIEF OF FIELD PARTY</td>
<td>R. Moses</td>
<td>Jun 1969</td>
</tr>
<tr>
<td>HORIZONTAL CONTROL</td>
<td>L. Riggers</td>
<td>Jun 1969</td>
</tr>
<tr>
<td>VERTICAL CONTROL</td>
<td>None</td>
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<tr>
<td>LANDMARKS AND AIDS TO NAVIGATION</td>
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#### 5. GEOGRAPHIC NAMES

- CLASSIFICATION OF DETAILS BY
- COMPLETE
- SPECIFIC NAMES ONLY
- NO INVESTIGATION

#### SOURCE DATA

<table>
<thead>
<tr>
<th>PHOTO NUMBER</th>
<th>STATION NAME</th>
<th>PHOTO NUMBER</th>
<th>STATION DESIGNATION</th>
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<td>69E(C) 989-990</td>
<td>WEST, 1915</td>
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#### 6. BOUNDARIES AND LIMITS

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<th>OBJECT NAME</th>
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<th>OBJECT NAME</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
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#### 5. SUPPLEMENTAL MAPS AND PLANS

None

#### OTHER FIELD RECORDS

- Sketch books, etc. DO NOT list data submitted to the Geodesy Division

1-form 152
### History of Field Operations

#### I. Field Inspection Operation

<table>
<thead>
<tr>
<th>Operation</th>
<th>Name</th>
<th>Date</th>
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<tbody>
<tr>
<td>Chief of Field Party</td>
<td>G. Saladin</td>
<td>May 1971</td>
</tr>
<tr>
<td>Horizontal Control</td>
<td>None</td>
<td>None</td>
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<tr>
<td>Vertical Control</td>
<td>NA</td>
<td>NA</td>
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#### II. Source Data

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<th>1. Horizontal Control Identified</th>
<th>2. Vertical Control Identified</th>
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<td>NA</td>
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<table>
<thead>
<tr>
<th>Photo Number</th>
<th>Station Name</th>
<th>Photo Number</th>
<th>Station Designation</th>
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<td></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>3. Photo Numbers (Clarification of details)</th>
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<tbody>
<tr>
<td>69E(C) 989</td>
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<table>
<thead>
<tr>
<th>4. Landmarks and Aids to Navigation Identified</th>
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<table>
<thead>
<tr>
<th>Photo Number</th>
<th>Object Name</th>
<th>Photo Number</th>
<th>Object Name</th>
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<tbody>
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#### III. Geographic Names

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<th>报告</th>
<th>未报告</th>
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<tr>
<td>地理名称</td>
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<td>未报告</td>
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#### IV. Boundary and Limits

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<th>级界和限制</th>
<th>报告</th>
<th>未报告</th>
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#### V. Supplemental Maps and Plans

<table>
<thead>
<tr>
<th>补充地图和计划</th>
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<tbody>
<tr>
<td>未报告</td>
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#### VI. Other Field Records

1. Field Edit Report
2. Field Edit Ozalid
**T-12469**

**RECORD OF SURVEY USE**

### I. MANUSCRIPT COPIES

<table>
<thead>
<tr>
<th>Compilation Stages</th>
<th>Date</th>
<th>Remarks</th>
<th>Marine Charts</th>
<th>Hydro Support</th>
</tr>
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<tbody>
<tr>
<td>Compilation complete pending field edit</td>
<td>Jan 1971</td>
<td>Class III manuscript</td>
<td>2/10/71</td>
<td>1/27/71</td>
</tr>
<tr>
<td>Field Edit applied. Compilation complete.</td>
<td>Mar 1972</td>
<td>Class I manuscript</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Final Review</td>
<td>Sept 1979</td>
<td>Final</td>
<td>4-4-80</td>
<td>Dec 1979</td>
</tr>
</tbody>
</table>

### II. LANDMARKS AND AIDS TO NAVIGATION

None

### III. FEDERAL RECORDS CENTER DATA

1. [X] BRIDGING PHOTOGRAPHS; [X] DUPLICATE BRIDGING REPORT; [X] COMPUTER READOUTS.

2. [X] CONTROL STATION IDENTIFICATION CARDS; [ □ ] FORM NO. 567 SUBMITTED BY FIELD PARTIES.

3. [X] SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.

ACCOUNT FOR EXCEPTIONS:

### IV. SURVEY EDITIONS

(To be completed each time a new map edition is registered.)

**SECOND EDITION**

<table>
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<tr>
<th>Survey Number</th>
<th>Job Number</th>
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<th>Type of Survey</th>
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<tr>
<td>TP - __________</td>
<td>PH - __________</td>
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</table>

**THIRD EDITION**

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<th>Date of Field Edit</th>
<th>Type of Survey</th>
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<tbody>
<tr>
<td>TP - __________</td>
<td>PH - __________</td>
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**FOURTH EDITION**

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<th>Date of Field Edit</th>
<th>Type of Survey</th>
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<tr>
<td>TP - __________</td>
<td>PH - __________</td>
<td>(4)</td>
<td></td>
<td>REVISED RESURVEY MAP CLASS</td>
</tr>
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</table>
SUMMARY TO ACCOMPANY T-12462 THRU T-12470, T-13338 Thru T-13342 and T-13374 Thru T-13378

This summary covers Project PH-6909 consisting of nineteen standard shoreline maps covering the area of Sumner Strait. The purpose of this job was to provide support for hydrographic operations conducted in the area during the 1971 and 1972 field seasons. Each map is 1:10,000 scale.

Photography of the area was flown during the summer of 1969. Flights of 1:60,000 and 1:30,000 scale color photography were flown for use in aerotriangulation and stereo instrument compilation. Tandem flights of 1:20,000 scale color and black and white infrared were used to supplement the instrument compilation photography.

There was no field inspection. Prior to compilation field work consisted of the recovery and identification of horizontal control for bridging which was conducted at the Rockville Office in April, 1970, by analytic methods.

All maps were compiled at the Atlantic Marine Center with the Wild B-8 stereoplotters. Shingle Island on T-13341 and Vichnevski Rock and White Rock on T-12464 were compiled graphically using control established in the bridge supplemented by control established in B-8 stereo models.

Field Edit was done for all maps in summer of 1971. Much of that data for the seven easternmost maps, T-12462 - T-12465 and T-13376, T-13378 was lost.
These maps were re-edited in the summer of 1975. Edit was applied to all maps at the Atlantic Marine Center.

Final review was performed at the Atlantic Marine Center. All pertinent data was forwarded to Rockville, Maryland, office for reproduction and final registration.
FIELD INSPECTION

T-12469

There was no field inspection prior to compilation. Field work prior to compilation was limited to the recovery and identification of horizontal control for bridging.
Aerotriangulation Report
PH-6909
Sumner Strait, Alaska

April 29, 1970

21. **Area Covered**

This report covers T sheets 12462 through 12470, T sheets 13338 through 13342 and T sheets 13374 through 13378 of Sumner Strait, Alaska, at 1:10,000 scale.

22. **Method**

Three strips of 1:60,000 scale color photography were bridged by analytical methods to provide horizontal control, compilation and ratio points for 1:30,000 scale photography. The attached sketch of the strips bridged shows the placement of triangulation used in the strip adjustment. A list of closures to control is part of this report. Positions of all compilation points (i.e. 900 points) and control stations have been plotted on the manuscripts by the Coradi, on the Alaska Zone 1 plane coordinate system.

23. **Adequacy of Control**

The horizontal control provided was adequate except for SPIT, 1927. The strip adjustment showed an error of -15 feet in the x direction. The adjacent project Keku Strait, Alaska, PH-6206 which used SPIT, 1927, also showed an error of -15 feet in the x direction. The reason for not obtaining a better closure is not known. Six tie points were used to augment datum tie between strip 1 of Sumner Strait and strips 1 and 11 of Keku Strait. Tie points were averaged between the three strips.

All other control held well within the accuracy required by National Standards of Map Accuracy at 1:10,000 scale.

24. **Supplemental Data**

U. S. Geological Survey quadrangles were used to provide elevations for vertical adjustment of the bridges.
25. Photography

Photography was adequate as to coverage, overlap and definition.

Submitted by,

[Signature]
Robert B. Kelly

Approved and forwarded,

[Signature]
Henry P. Eichert
Chief, Aerotriangulation Section
JOB PH-6909
SUMNER STRAIT, ALASKA
SHORELINE MAPPING
Scale 1:10,000
### Legend

- Control Used in Adjustment
- Closures of Bridge to Control Shown in Parenthesis
- Control Used as Check.

#### Strips

**Strip 1**

<table>
<thead>
<tr>
<th>Location</th>
<th>Year</th>
<th>Control (Change)</th>
</tr>
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<tbody>
<tr>
<td>LUNG</td>
<td>1929</td>
<td>(-0.9, +1.1) F%</td>
</tr>
<tr>
<td>NEXT</td>
<td>1929</td>
<td>(+1.0, -1.9)</td>
</tr>
<tr>
<td>SINGRE</td>
<td>1919</td>
<td>(0.0, +1.0)</td>
</tr>
<tr>
<td>DARRIE 2</td>
<td>1915</td>
<td>(+0.9, -3.3)</td>
</tr>
<tr>
<td>END</td>
<td>1927</td>
<td>(+0.3, -0.4)</td>
</tr>
</tbody>
</table>

**Strip 2**

<table>
<thead>
<tr>
<th>Location</th>
<th>Year</th>
<th>Control (Change)</th>
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</thead>
<tbody>
<tr>
<td>TRUNK</td>
<td>1964</td>
<td>(0.0, -0.6)</td>
</tr>
<tr>
<td>COHEN</td>
<td>1954</td>
<td>(-0.5, +1.0)</td>
</tr>
<tr>
<td>SINT</td>
<td>1919</td>
<td>(+0.1, +0.3)</td>
</tr>
<tr>
<td>WEST</td>
<td>1918</td>
<td>(-0.3, +0.3)</td>
</tr>
<tr>
<td>COLOVY</td>
<td>1966</td>
<td>(+0.2, -1.4)</td>
</tr>
<tr>
<td>JEFF</td>
<td>1916</td>
<td>(-0.5, +0.4)</td>
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</tbody>
</table>

**Strip 3**

<table>
<thead>
<tr>
<th>Location</th>
<th>Year</th>
<th>Control (Change)</th>
</tr>
</thead>
<tbody>
<tr>
<td>JEFF</td>
<td>1916</td>
<td>(0.3, -0.3)</td>
</tr>
<tr>
<td>MARZ 2</td>
<td>1915</td>
<td>(-0.7, -0.2)</td>
</tr>
<tr>
<td>SANT 2</td>
<td>1915</td>
<td>(-0.1, +0.4)</td>
</tr>
<tr>
<td>VIZ-NEFURO KEOYT</td>
<td>-16</td>
<td>(-1.6, -0.6)</td>
</tr>
</tbody>
</table>
### Descriptive Report Control Record

**Map No.** T-12469  
**Job No.** PH-6909  
**Geodetic Datum** NA 1927  
**Originating Activity** Coastal Mapping Division, Norfolk, Va.

<table>
<thead>
<tr>
<th>Station Name</th>
<th>Source of Information</th>
<th>Aerialtriangulation Point Number</th>
<th>Coordinates in Feet</th>
<th>Geographic Position</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>WEST, 1915</td>
<td>G.P.VOL.1</td>
<td></td>
<td>x=</td>
<td>φ 56°20' 24.202</td>
<td>748.6</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>y=</td>
<td>λ 133°21' 22.09</td>
<td>381.6</td>
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</table>

**Computed By:** A. C. Rauck, Jr.  
**Date:** 9/14/70  
**Computation Checked By:** F. R. Margiotta  
**Date:** 1/18/71

COMPILATION REPORT
T-12469

31. **DELINEATION:**

   The mean high water line, foreshore details, offshore rocks and ledge were compiled by the Wild B-8. There was no low water photography for this area. Otherwise, the photography was adequate and of good quality. There was no field inspection prior to compilation.

32. **CONTROL:**


33. **SUPPLEMENTAL DATA:**

   None.

34. **CONTOURS AND DRAINAGE:**

   Contours were inapplicable. Drainage was delineated from office interpretation of the ratio photographs.

35. **SHORELINE AND ALONGSHORE DETAILS:**

   Shoreline and alongshore details were compiled from office interpretation of the B-8 models.

36. **OFFSHORE DETAILS:**

   See item 31.

37. **LANDMARKS AND AIDS:**

   None.
38. **CONTROL FOR FUTURE SURVEYS:**

None.

39. **JUNCTIONS:**

There is no survey to the north. Junctions were made to the east with T-13374, to the south with T-12470 and to the west with T-12468.

40. **HORIZONTAL AND VERTICAL ACCURACY:**

No statement.

45. **COMPARISON WITH PRIOR SURVEYS:**

Comparison was made with USC & GS Survey 1749, scale 1:80,000 dated 1886.

46. **COMPARISON WITH EXISTING MAPS:**

Comparison was made with USGS Quadrangle PETERSBURG (B-5), ALASKA, scale 1:63,360, dated 1949.

47. **COMPARISON WITH NAUTICAL CHARTS:**


**ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:**

None.
ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Frank P. Marigliotta
Cartographic Aid
Jan. 11, 1971

Approved:

Albert C. Rauck, Jr.
Chief, Coastal Mapping Section, AMC
October 26, 1970

GEOGRAPHIC NAMES
FINAL NAME SHEET
PH-6909 (Alaska)

T-12469

- Buster Bay
- Camp Creek
- Goose Creek
- Mud Creek
- Prince of Wales Island
- Red Bay
- Strait Creek
- Sumner Strait
- Pine Creek

Approved by:  
A. J. Wright  
A. Joseph Wright  
Chief Geographer

Prepared by:  
Frank W. Pickett  
Cartographic Technician
### PHOTOGRAMMETRIC OFFICE REVIEW

**TP - 12469**

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#### Control Stations

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<tr>
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<th>6. Recoverable Horizontal Stations of Less Than Third-Order Accuracy (Topographic stations)</th>
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#### Alongshore Areas (Nautical Chart Data)

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<th>16. AIDS TO NAVIGATION</th>
<th>17. LANDMARKS</th>
<th>18. OTHER ALONGSHORE PHYSICAL FEATURES</th>
<th>19. OTHER ALONGSHORE CULTURAL FEATURES</th>
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#### Cultural Features

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#### Boundaries

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<th>32. Public Land Lines</th>
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#### Miscellaneous

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<tr>
<th>33. Geographic Names</th>
<th>34. Juncions</th>
<th>35. Legibility of the Manuscript</th>
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#### Reviewers

- **Reviewer:** Albert C. Rauck J. Jr.  
  B. Wilson  
  Jan. 18, 1971
- **Supervisor:** Albert C. Rauck J. Jr.  
  A. C. Rauck, Jr.

#### 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 has been corrected except as noted under item 43.

**Compiler:** A. L. Shands  
**Reviewer:** B. Wilson  
3/8/71  
3/14/72

**Supervisor:** Albert C. Rauck J. Jr.  
A. C. Rauck, Jr.

**43. Remarks**

Field Edit applied from: See two forms 76-36C, 3, 7, & 8
FIELD EDIT REPORT
SUMNER STRAIT
SOUTHEAST ALASKA
OPR-448
APRIL-SEPTEMBER 1971

INTRODUCTION

Field edit reports are attached for the following maps:

<table>
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<tr>
<th>T-12462</th>
<th>Mitchell Point</th>
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<td>Little Level Island</td>
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<td>T-12464</td>
<td>Big Level Island</td>
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<td>T-12465</td>
<td>Point St. John</td>
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<td>T-12466</td>
<td>Port Protection</td>
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<td>T-12467</td>
<td>Flicker Creek</td>
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<tr>
<td>T-12468</td>
<td>Buster Bay</td>
</tr>
<tr>
<td>T-12469</td>
<td>Mud Creek</td>
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<tr>
<td>T-12460</td>
<td>Red Bay (West)</td>
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<td>T-13338</td>
<td>Yellow Island</td>
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<td>T-13339</td>
<td>Little Totem Bay</td>
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<td>T-13340</td>
<td>Totem Bay</td>
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<td>T-13341</td>
<td>Shingle Island</td>
</tr>
<tr>
<td>T-13342</td>
<td>Moss Island</td>
</tr>
<tr>
<td>T-13374</td>
<td>Bell Island</td>
</tr>
<tr>
<td>T-13375</td>
<td>Red Bay (East)</td>
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<tr>
<td>T-13376</td>
<td>Point Colpoys</td>
</tr>
<tr>
<td>T-13377</td>
<td>Rookery Islands</td>
</tr>
<tr>
<td>T-13378</td>
<td>Kachemara Point</td>
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</table>

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. Isolated rocks, high points of ledges, ledge limits and some shoreline were located by three-point sextant fixes with check angles. Fixes were plotted on boatsheets:

| DA-10-3-71 | DA-10-7-71 |
| DA-10-4-71 | DA-10-3-71 |
| DA-10-5-71 | DA-10-9-71 |
| DA-10-6-71 | DA-5-1-71 |

Comparisons were made between boatsheets and ozalids.
Notes have been made on the appropriate photographs and have been cross referenced on the Field Edit Ozalids by photograph number. All times are based on 105°W meridian. Individual reports by manuscript are attached. Either processed or field photographs were used for notes as indicated in the individual reports.

ADEQUACY OF COMPILATION

The photographic coverage of the area was excellent. Compilation was excellent with the few exceptions as noted on individual sheets. Unfortunately, photographic and manuscript coverage was not available for Ksk Sheets Bay north of the Level Islands. Shoreline on the northern section of boatsheet DA-10-9-71 (H9221) will have to be edited when manuscripts are available.

TIDE NOTES

The following tide stations were used for hydrography in the Sumner Strait area:

Pt. Baker  Totem Bay
Red Bay     Level Island

AIDS TO NAVIGATION

Non-floating Aids to Navigation within the area were located and are covered in a report titled "Non-floating and Floating Aids to Navigation OPR-448 - Sumner Strait, Southeast Alaska 1971." A copy of the above report is included in the appendix.

Respectfully submitted,

Howard W. Herz
LTJG.  NOAA

Approved,

Gerald C. Saladin
CDR.  NOAA
Commanding Officer
NOAA Ship DAVIDSON
FIELD EDIT REPORT

MAP T-12469

SUMNER STRAIT - HUD CREEK

SOUTHEAST ALASKA

MAY 1971

The field edit of T-12469 was completed by LTJG. Gregory L. Miller with the assistance of Mr. Lowell S. Reterer Jr. in May 1971. Inspection was on foot and from a small boat.

REVIEW

The field photographs, along with a copy of the field edit ozalid were used when physically inspecting the entire shoreline of the map. Careful attention was given to the marked areas in question on the field edit ozalid. While observing the shoreline some areas were found to be in disagreement and these areas were revised on the chronographic photographs.

Although the 900 series photographs were not taken at low water, the ledge areas showed well due to the fact that the ledges are very steep. The foul areas are foul with kelp which holds debris and in many instances were mistaken for rocks. Depths in the foul areas should be referred to the boatsheet 5A-10-3-71. A copy of the boatsheet will be forwarded.

Notes have been made on the field edit ozalid and cross-referenced to the 69-E(0)-929 photograph. All time is based on the 105° 30' W. meridian.

ACCURACY OF COMPILATION

Compilation is good. Hydrographic location of detail compares well with the photogrammetric location. Field edit of this map is complete.

RECOMMENDATIONS

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

Respectfully submitted,

Gregory L. Miller
LTJG. NAV
SPECIAL REPORT
ON
GEOGRAPHIC NAMES
OPR-448
SOUTHEAST ALASKA
SOUTH KEKU STRAIT - SUMNER STRAIT

NOAA SHIP DAVIDSON

CDR GERALD C. SALADIN
CHIEF OF PARTY
1971
The enclosed USGS Petersburg (B-4), (B-5), (B-6), (C-4) and (C-6) Alaska quadrangle sheets were used for geographic names identification along with the enclosed charts 8174 and 8201.

On August 29, 1971 Mr. Clarence Louis and Mr. Harry Coulter, both of Wrangell, Alaska, were interviewed. Mr. Louis has been a resident of Wrangell for 77 years and has fished extensively throughout the Sumner Strait area. Mr. Harry Coulter has been a resident of Wrangell since 1900. He has fished and done extensive navigating aboard tugs and steamboats in the Sumner Strait area.

On August 30, 1971 Mr. Laurel Allen Woolery (Buckshot), owner of the B.S. Trading Post, Port Protection, Alaska, was interviewed. Mr. Woolery has resided at Port Protection for more than thirty years.

All of the above individuals were shown the USGS quadrangles and the NOS charts. Verified names have been underlined in red on the charts and quadrangles. New or questionable names have been noted and the following remarks apply:

(Note: "GSPP-567" refers to "Dictionary of Alaska Place Names, by Donald J. Orth, Geological Survey Professional Paper 567. Excerpts from the above are included in the appendix of this report.)

NOTE A: WOODEN WHEEL COVE (Port Protection: Lat. 56°18'35"N; Long. 133°36'25"W.) Named after a Wrangell resident who's fishing boat broke down in the cove. He fabricated a wheel out of wood and managed to get into Wrangell. He is since known by his friends as "Wooden Wheel" Johnson. (Clarence Louis-Wrangell)

NOTE B: JACKSON ISLAND (Port Protection: Lat. 56°19'32"N; Long. 133°36'45"W.) Named after Percy Jackson who had a boat shop on the island. (Laurel "Buckshot" Woolery-Port Protection)

NOTE C: EAST ROCK (Sumner Strait: Lat. 56°21'30"N; Long. 133°36'00"W.) Locally known as EAST ROCK (Woolery-Port Protection). Shown on USGS quadrangle Petersburg (B-5) as "TWIN I". Shown in GSPP-567 as EAST ROCK. EAST ROCK is correct as shown on NOS chart 8174.
NOTE D: MERRIFIELD BAY (Summer Strait: Lat. 56°21'05"N; Long. 133°33'15"W) Previously called "HOFSTEAD BIGHT" after Richard Hofstead who had a small store and herring traps there (Louis and Coulter-Wrangell). Known today as MERRIFIELD BAY by the local fishermen. The present name of MERRIFIELD BAY should be retained.

NOTE E: FLICKER CREEK (Summer Strait: Lat. 56°20'00"N; Long. 133°33'00"W.) Un-named on largest scale chart of the area (NOS 8201). Named "FLICKER CREEK" on USGS quadrangle Petersburg (B-5) and in GSPP-567. Correctly shown on Incomplete Manuscript T-12468 as FLICKER CREEK. Locally called "HUMPY CREEK" by some of the fishermen (Woolery-Port Protection). The present name of FLICKER CREEK should be retained.

NOTE F: SHIRE CREEK (Summer Strait: Lat. 56°19'35"N; Long. 133°26'30"W.) So named in GSPP-567 and on USGS quadrangle Petersburg (B-5). Correctly shown on Incomplete Manuscript T-12468. Probably named after a Mr. "Shine" Owens who logged around Buster Bay about 1940 (Woolery-Port Protection).

NOTE G: BUSTER BAY & BUSTER CREEK (Summer Strait: Lat. 56°20'N; Long. 133°26'W.) Correctly named on Incomplete Manuscript T-12468. Probably named after Mr. "Buster" Neil Grant who used to anchor a pile driver there (Louis-Wrangell).

NOTE H: BIG CREEK (Summer Strait, Red Bay: Lat. 56°15'38"N; Long. 133°20'20"W.) Named on USGS quadrangle Petersburg (B-5) and GSPP-567 and Incomplete Manuscript T-12470. Name should be retained on stream as shown on T-12470. Chart 8168 shows "BIG CREEK" located between Red Lake and Red Bay. For corrections see RED BAY CREEK note below.

LITTLE CREEK (Summer Strait, Red Bay: Lat. 56°17'22"N; Long. 133°20'50"W.) Correct as shown on USGS quadrangle Petersburg (B-5) and noted in GSPP-567 and Incomplete Manuscript T-12470. Chart 8168 shows "LITTLE CREEK" incorrectly. The chart should be revised according to the manuscripts.

RED BAY CREEK (Summer Strait, Red Bay: Lat. 55°07'45"N; Long. 133°19'45"W.) Local name given to the creek that joins Red Lake and Red Bay (Woolery, Louis & Coulter - Port Protection and Wrangell). As many local fishermen use this name, it is suggested that it be used on chart 8168 and T-13375.
NOTE I:  DOUGLAS(S) BAY (Sumner Strait; lat. 56°28'14"N; Long. 133°17'13"
) Correct as named. USGS quadrangle Petersburg (B-4) gives a spelling of
DOUGLAS. NOS chart 8160 gives a spelling of DOUGLASS. CGS-567 notes both spellings.
For the correct spelling consult USCGS chart
706.

NOTE J:  TOTEEM POINT (Sumner Strait; lat. 56°27'10"N;
Long. 133°26'00"W.) Shown on USGS quadrangle
Petersburg (B-5) and Incomplete Manuscript
T-13340. This name could not be verified by
those interviewed. It is recommended that the
name be retained as shown.

Names that could not be verified in interviews have not been
underlined or noted and are assumed correct. The charted names
on NOS charts 8174 and 8201 are used and accepted by the local
fisherman and mariners except as noted.

Respectfully submitted,
Howard W. Herz
Lt(jg) NOAA

Approved,
Gerald C. Saladin
CDR. NOAA
Commanding Officer
NOAA Ship DAVIDSON
LANDMARKS AND AIDS TO NAVIGATION

LANDMARKS

No landmarks exist within the area covered by OPR-448.

NON-FLOATING AIDS TO NAVIGATION

The non-floating aids to navigation listed on Form 567 are recommended as landmarks useful for navigational purposes. They should be continued on charts 8160 and 8201 using the geographic positions listed on Form 567.

FLOATING AIDS TO NAVIGATION

The following floating aids to navigation were located within the limits of OPR-448, 1971. Positions were determined by sextant fixes using second order triangulation signals. Geographic positions were computed and compared with those given in Light list Volume III Pacific Coast and Pacific Islands.

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<th>CG</th>
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<tr>
<td>3008</td>
<td>Five Fathom Shoal Buoy</td>
<td>56° 21' 56.403&quot;N 133° 13' 58.899&quot;W</td>
<td>---</td>
</tr>
<tr>
<td>3008</td>
<td>McArthur Reef Lighted Bell Buoy</td>
<td>56° 23' 39.21&quot;N 133° 10' 33.28&quot;W</td>
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<tr>
<td>3008.50</td>
<td>Mitchell Point Lighted Buoy 7</td>
<td>56° 25' 19.48&quot;N 133° 11' 11.37&quot;W</td>
<td>56° 25.5'N 133° 10.6&quot;W</td>
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<td>3010</td>
<td>Level Island Lighted Buoy 9</td>
<td>56° 27' 7.24&quot;N 133° 02' 29.89&quot;W</td>
<td>56° 27.1'N 133° 02.5&quot;W</td>
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Respectfully submitted,

Howard W. Herz
LTJG. NOAA

Approved,

Gerald C. Saladin
CDR. NOAA
Commanding Officer
NOAA Ship DAVIDSON
# NONFLOATING AIDS OR LANDMARKS FOR CHARTS

I recommend that the following objects which have **not** been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by

---

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<th>STATE</th>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<tr>
<td></td>
<td>R. Ba.</td>
<td>MACAMAPA PA DAYBEACON</td>
<td>—</td>
<td>51° 13'  10.0</td>
<td>133° 03'  57.3</td>
<td>1927</td>
<td>TRIANG.</td>
<td>B-26-71</td>
<td>X 8160</td>
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<tr>
<td></td>
<td>Ba W.</td>
<td>FOREMOST ROCK DAYBEACON</td>
<td>—</td>
<td>50° 30'  251.9</td>
<td>183° 00'  247.6</td>
<td>1927</td>
<td>TRIANG.</td>
<td>B-26-71</td>
<td>X 8160</td>
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<tr>
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<td>POINT COLPOYS LIGHT, 1967</td>
<td>802</td>
<td>51° 20'  314.7</td>
<td>183° 11'  70.0</td>
<td>1927</td>
<td>TRIANG.</td>
<td>B-26-71</td>
<td>X 8160</td>
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<tr>
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<td>THE EYE OPENER LIGHT, 1967</td>
<td>829</td>
<td>51° 23'  326.5</td>
<td>183° 16'  518.5</td>
<td>1927</td>
<td>TRIANG.</td>
<td>B-26-71</td>
<td>X 8160</td>
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<tr>
<td></td>
<td>R. W. Ba.</td>
<td>BAY POINT DAYBEACON, 1967</td>
<td>—</td>
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<td>VICHNEFSKI ROCK LIGHT, 1967</td>
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<td>51° 26'  597.6</td>
<td>183° 00'  852.4</td>
<td>1927</td>
<td>TRIANG.</td>
<td>B-26-71</td>
<td>X 8160</td>
<td></td>
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This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redeterminations are necessary, shall be reported on this form. Revisions of charts shall show both the old and new positions. The data should be considered for the charts of the area and not by individuals' own survey sheets. Information under each heading should be given.

* Tabulate seconds and meters
REVIEW REPORT
T-12469
SHORELINE
September 28, 1979

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with Registered Survey 1749, 1:80,000 scale dated 1886. Differences are attributable to the difference in scale and advances made in survey techniques, methods and equipment.

T-12469 supersedes Registered Survey 1749 for chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangle Petersburg (B-5), Alaska, 1:63,360 scale, dated 1949. There are no significant differences.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies of Registered Smooth Sheets H-9215 (DA-10-3-71), H-9216 (DA-10-4-71) and H-9222 (DA-5-1-71).

The rock on the smooth sheet at lat. 56°18.5', long. 133°20.1' is not shown on the map. There is photogrammetric evidence to support its existence.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 8201, 1:217,828 scale, 11th edition dated March 4, 1963. Differences are due to scale.
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the project instructions and meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted by:

A. L. Shands
Final Reviewer

Approved for forwarding:

B. H. Barnes
Chief, Photogrammetric Branch, AMC

Approved:

John D. Perrin Jr.
Chief, Photogrammetric Branch

Chief, Photogrammetry Division
PH-6909

Sumner Strait, Alaska

Project Materials on File

NOS Archives

1 Stable base registered copy of each of 29 maps
1 Descriptive report for each of 29 maps

Federal Records Center

1 Job completion report
3 Forms 504 containing original field edit reports
1 Form 251, Horizontal Directions
13 Forms 152, CSI
5 Sets of parameter tapes and printouts
   Computer printouts of photogrammetric bridge
1 Form 76-40
1 Positive overlay each of T-12464, T-12465, and T-13376 thru T-13378
1 Each matte 69K(I) 3735, 3736, 69E(C) 985, 987-990, 999, 999A, 999B, and 1000

19 FIELD EDIT OZALIDS