**DESCRIPTIVE REPORT**

**Type of Survey**: Shoreline  
**Job No.**: PH-6909  
**Map No.**: T-13340  
**Classification No.**: Final  
**Edition No.**: 1  
**Field Edited Map**

**LOCALITY**

**State**: Alaska  
**General Locality**: Sumner Strait  
**Locality**: Totem Point

**1969 TO 1971**

**REGISTRY IN ARCHIVES**

**DATE**

---

* 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>
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<tr>
<td>Aerotriangulation October 2, 1969</td>
<td>Premarking May 14, 1969</td>
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<td>Compilation September 14, 1970</td>
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<td>Compilation November 6, 1970</td>
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<td>Compilation Amend I November 20, 1970</td>
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2. **DATUMS**

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<td>X Mean High Water</td>
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<tr>
<td>X Mean Lower Low Water</td>
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<td>X Mean Sea Level</td>
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III. **HISTORY OF OFFICE OPERATIONS**

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<tr>
<th>OPERATIONS</th>
<th>NAME</th>
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<tr>
<td>1. Aerotriangulation Analytical Method</td>
<td>R. Kelly</td>
<td>Apr 1970</td>
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<tr>
<td>2. Control and Bridge Points Method: Corodomat</td>
<td>P. Dempsey</td>
<td>Aug 1970</td>
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<td>5. Scale: 1:15,000</td>
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<td>7. Control and Bridge Points Method: Corodomat</td>
<td>E. Pusel, Jr.</td>
<td>Dec 1970</td>
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<td>8. Map Projection</td>
<td>NA</td>
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<tr>
<td>15. Data Examined in Photogrammetric Branch</td>
<td>F.R. Watts</td>
<td>Feb 1980</td>
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<tr>
<td>16. Map Registered - Coastal Survey Section</td>
<td>E. L. Daugherty</td>
<td>Jun 1980</td>
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### Compilation Sources

#### 1. Compilation Photography

**Camera(s)**
- Wild RC-8 "E"

**Type of Photography Reference**
- Tide Stage Reference
  - Predicted Tides
  - Reference Station Records
  - Tide Controlled Photography

**Legend**
- (C) Color
- (P) Panchromatic
- (I) Infrared

**Time Reference**
- Zone: Pacific
- Meridian: 120th
- Standard Time: Yes
- Daylight Time: Yes

**Number and Type** | **Date** | **Time** | **Scale** | **Stage of Tide**
--- | --- | --- | --- | ---
69E(C) 1010 - 1011 | 8/5/69 | 13:02 | 1:30,000 | 3.1 ft. above MLLW
69E(C) 2034 - 2035 | 8/24/69 | 14:36 | 1:20,000 | 7.6 ft. above MLLW

#### Remarks

Subord. Sta. LEVEL 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 annotations.

#### 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.)

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<th>Date(s)</th>
<th>Survey Copy Used</th>
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<th>Date(s)</th>
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<td>T-13339</td>
<td>T-13341</td>
<td>No survey</td>
<td>T-13338</td>
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#### Remarks
### T-13340

#### HISTORY OF FIELD OPERATIONS

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<th>NAME</th>
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<td>1. CHIEF OF FIELD PARTY</td>
<td>R. Moses</td>
<td>Jun 1969</td>
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<td>2. HORIZONTAL CONTROL</td>
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<td>3. VERTICAL CONTROL</td>
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<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
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<td>5. GEOGRAPHIC NAMES INVESTIGATION</td>
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<td>6. PHOTO INSPECTION</td>
<td>None</td>
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<tr>
<td>7. BOUNDARIES AND LIMITS</td>
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#### II. SOURCE DATA

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3. PHOTO NUMBERS (Clarification of details)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

5. GEOGRAPHIC NAMES: | REPORT | NONE |

6. BOUNDARY AND LIMITS: | REPORT | NONE |

7. SUPPLEMENTAL MAPS AND PLANS

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

None
**NOAA FORM 76-36C**

**U.S. DEPARTMENT OF COMMERCE**

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**

**NATIONAL OCEAN SURVEY**

---

**T-13340**

**HISTORY OF FIELD OPERATIONS**

1. **FIELD INSPECTION OPERATION**
   - **NAME**: G. Saladin
   - **DATE**: Jun 1971

2. **FIELD EDIT OPERATION**
   - **NAME**: G. Saladin
   - **DATE**: Jun 1971

---

**II. SOURCE DATA**

1. **HORIZONTAL CONTROL IDENTIFIED**
   - **NAME**: NA

2. **VERTICAL CONTROL IDENTIFIED**
   - **NAME**: NA

---

3. **PHOTO NUMBERS (Clarification of details)**
   - **69E(C) 1010**

---

4. **LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED**
   - **NAME**: NA

---

5. **GEOGRAPHIC NAMES**
   - **COMPLETE**: None
   - **SPECIFIC NAMES ONLY**: None
   - **NO INVESTIGATION**: None

6. **PHOTO INSPECTION**
   - **CLARIFICATION OF DETAILS**: R. Arnold
   - **DATE**: Jun 1971

7. **BOUNDARIES AND LIMITS**
   - **SURVEYED OR IDENTIFIED BY**: NA

---

8. **OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)**
   - 1-Field Edit Report
   - 1-Field Edit Ozalid
# RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

<table>
<thead>
<tr>
<th>DATA COMPILED</th>
<th>DATE</th>
<th>REMARKS</th>
<th>DATE MANUSCRIPT FORWARDED</th>
<th>MARINE CHARTS</th>
<th>HYDRO SUPPORT</th>
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<tbody>
<tr>
<td>Compilation complete</td>
<td>Dec 1970</td>
<td>Class III manuscript</td>
<td>12/17/70</td>
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<tr>
<td>Field Edit applied (None south of 56°26'30&quot;)</td>
<td>Dec 1971</td>
<td>Class I manuscript</td>
<td>None</td>
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<td></td>
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<tr>
<td>Final Review</td>
<td>Oct 1979</td>
<td>Final</td>
<td>12-14-70</td>
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## II. LANDMARKS AND AIDS TO NAVIGATION

None

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

<table>
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<tr>
<th>NUMBER</th>
<th>CHART LETTER NUMBER</th>
<th>DATE FORWARDED</th>
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## 2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED:

## 3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED:

## 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. ACCOUNT FOR EXCEPTIONS:

## IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

<table>
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<tr>
<th>SECOND EDITION</th>
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<th>JOB NUMBER</th>
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<th>RESURVEY</th>
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<td>DATE OF FIELD EDIT</td>
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<td>III.</td>
<td>IV.</td>
<td>V.</td>
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<td>FOURTH EDITION</td>
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<td>III.</td>
<td>IV.</td>
<td>V.</td>
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</table>
This summary covers Project PH-6909 consisting of nineteen standard shoreline maps covering the area of Summer 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 stereoplotter. Shingle Island on T-13341 and Vichnefiski 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-13340

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the aerotriangulation of the project.
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,

Robert B. Kelly

Approved and forwarded,

Henry P. Eichert
Chief, Aerotriangulation Section
LEGEND

Δ Control Used In Adjustment

( ) Colors of bridge to control shown in parenthesis

Δ Control Used as Check.

**Strip 1**

Δ Lens, 1929 (-0.9, +1.1) ft
Δ Next, 1929 (+1.0, -1.9)
Δ Sun Light, 1915 (0.0, +1.0)
Δ Barrie 2, 1915 (+0.9, -3.3)
Δ End, 1927 (+0.3, -0.4)

**Strip 2**

Δ Frank, 1954 (0.0, -0.5)
Δ Queen, 1954 (-0.5, +1.0)
Δ Sid, 1915 (+0.1, +0.5)
Δ West, 1915 (-0.5, +0.5)
Δ Copper 2, 1886 (+0.2, -1.4)
Δ Jeff, 1816 (-0.5, +0.4)

**Strip 3**

Δ Jeff, 1916 (c.0, +0.2)
Δ Marx 2, 1915 (+0.7, -0.3)
Δ East 2, 1915 (+2.1, +0.4)
Δ Vendertrak 1st Lt, 1947 (-1.6, -0.6)
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COMPUTED BY  DATE  COMPUTATION CHECKED BY  DATE  LISTED BY  DATE  LISTING CHECKED BY  DATE  HAND PLOTTING BY  DATE  HAND PLOTTING CHECKED BY  DATE
COMPILATION REPORT
T-13340
SHORELINE

31. DELINEATION:

Most of the detail on the manuscript was compiled using the Wild B-8 stereo plotter. There, was no prior field inspection. Most of the foul and reef areas thru the center of the sheet were compiled graphically because they could not be seen on the models that were set up on the B-8, due to high sun glare.

Tandem photography of color and infrared, at 1:20,000 scale, were flown for this project. These were at approximate half tide and therefore the infrared were not used for mean high water nor mean lower low water compilation.

32. CONTROL:


33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contouring was not applicable and drainage was delineated with the Wild B-8.

35. SHORELINE AND ALONGSHORE DETAILS:

There was no prior shoreline inspection. Mean high water line was compiled by office interpretation.

36. OFFSHORE DETAILS:

See Item 31.
37. **LANDMARKS AND AIDS:**

None.

38. **CONTROL FOR FUTURE SURVEYS:**

None.

39. **JUNCTIONS:**

Junctions are in agreement with T-13339 to the north, T-13338 to the west and T-13341 to the east. There is no survey to the south.

40. **HORIZONTAL AND VERTICAL ACCURACY:**

No statement.

46. **COMPARISON WITH EXISTING MAPS:**

A comparison has been made with USGS Quadrangle Petersburg (B-5) Alaska, 1:63,360 scale, dated 1949, with minor revisions in 1963.

47. **COMPARISON WITH NAUTICAL CHARTS:**

A comparison has been made with Chart #8201, scale 1:217,828, 15th edition, dated November 5, 1969.
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:
None.

ITEMS TO BE CARRIED FORWARD:
None.

Submitted by:

Elmer Pursel, Jr.
Dec. 1, 1970

Approved:

A. C. Rauck, Jr.
Chief, Coastal Mapping Section
September 23, 1970

GEOGRAPHIC NAMES
FINAL NAME SHEET
PH-6909 (Alaska)

T-13340

Kupreanof Island
Sumner Strait
Totem Point

Approved by:
A. J. Wright
Chief Geographer

Prepared by:
Frank W. Fickert
Cartographic Technician
<table>
<thead>
<tr>
<th></th>
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<th>2. TITLE</th>
<th>3. MANUSCRIPT NUMBERS</th>
<th>4. MANUSCRIPT SIZE</th>
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**CONTROL STATIONS**

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<th>6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)</th>
<th>7. PHOTO HYDRO STATIONS</th>
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**BENCH MARKS**

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

<table>
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<tr>
<th></th>
<th>12. SHORELINE</th>
<th>13. LOW-WATER LINE</th>
<th>14. ROCKS, SHOALS, ETC.</th>
<th>15. BRIDGES</th>
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**AIDS TO NAVIGATION**

<table>
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<tr>
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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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**PHYSICAL FEATURES**

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**PHOTOGRAMMETRIC INSTRUMENT CONTOURS**

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<th>25. SPOT ELEVATIONS</th>
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**CULTURAL FEATURES**

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<tr>
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<th>27. ROADS</th>
<th>28. BUILDINGS</th>
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**BOUNDARIES**

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<th></th>
<th>31. BOUNDARY LINES</th>
<th>32. PUBLIC LAND LINES</th>
</tr>
</thead>
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<td>NA</td>
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<td></td>
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</tbody>
</table>

**MISCELLANEOUS**

<table>
<thead>
<tr>
<th></th>
<th>33. GEOGRAPHIC NAMES</th>
<th>34. JUNCTIONS</th>
<th>35. LEGIBILITY OF THE MANUSCRIPT</th>
</tr>
</thead>
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**DISCREPANCY OVERLAY**

<table>
<thead>
<tr>
<th></th>
<th>36. DISCREPANCY OVERLAY</th>
<th>37. DESCRIPTIVE REPORT</th>
<th>38. FIELD INSPECTION PHOTOGRAPHS</th>
<th>39. FORMS</th>
</tr>
</thead>
</table>

**REVIEWER**

Elmer Pursel Jr.  Dec. 1, 1970

A. C. Rauck, Jr.

**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.

**COMPILER**

B. Wilson  12/16/71

Reviewer: G. Blood  12/20/71

A. C. Rauck, Jr.

**REMARKS**

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

INTRODUCTION

Field edit reports are attached for the following maps:

T-12462  Mitchell Point
T-12463  Little Level Island
T-12464  Big Level Island
T-12465  Point St. John
T-12466  Port Protection
T-12467  Flicker Creek
T-12468  Buster Bay
T-12469  Mud Creek
T-12480  Red Bay (West)
T-13338  Yellow Island
T-13339  Little Totem Bay
T-13340  Totem Bay
T-13341  Shingle Island
T-13342  Moss Island
T-13374  Bell Island
T-13375  Red Bay (East)
T-13376  Point Colpoys
T-13377  Rockery Islands
T-13378  Macnamara Point

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-10-8-71
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 Czalids by photograph number. All times are based on 105ºW 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 Nak Sheets Bay north of the Level Islands. Shoreline on the northern section of bathsheet 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
- Red Bay
- Totem 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 CRP-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-13340

SUNNEA STRAIT - TOTEM BAY

SOUTHEAST ALASKA

JUNE 1971

The field edit of map T-13340 was done by LTJG. Russell C. Arnold on June 15, 1971. Inspection was made with a small boat and on foot.

METHOD

Field photographs and a copy of the field ozalid were taken into the field. The MHIL was visually inspected with special attention given to areas in question on the ozalid. Changes to the MHIL and ledge limits have been delineated on the processed photographs. High points of rocks and ledges have been noted on the ozalid. All times given are 1050W meridian. All changes delineated on the photographs have been cross referenced on the ozalid. Notes were made on the following processed photographs: 69E{C}1010.

ADEQUACY OF COMPILATION

The compilation of this map was good. The MHIL is accurate in both configuration and location with exceptions as noted. No fixed aids to navigation were located on this sheet. The field edit of this map is complete.

RECOMMENDATIONS

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

Respectfully submitted,

Russell C. Arnold
Russell C. Arnold
LTJG. NOAA
SPECIAL REPORT
ON
GEOGRAPHIC NAMES
OPR-448
SOUTHEAST ALASKA
SOUTH KEKU STRAIT - SUMNER STRAIT

NOAA SHIP DAVIDSON

CDR GERALD C. SALABIN
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 Summer 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 Summer
Strait area.

On August 30, 1971 Mr. Laurel Allen Woolery (Buchshot), owner
of the B.S. Trading Post, Port Protection, Alaska, was inter-
viewed. 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 (Summer 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 1". Shown in GSPP-567
as EAST ROCK. EAST ROCK is correct as shown on
NOS chart 8174.
NOTE D: KERRIFIELD BAY (Sumner Strait: Lat. 56°21'05"N; Long. 133°35'15"W.) Previously called "HOESEFIELD BIGHT" after Richard Hoeberd who had a small store and herring traps there (Louis and Coulter-Wrangell). Known today as KERRIFIELD BAY by the local fishermen. The present name of KERRIFIELD BAY should be retained.

NOTE E: FLICKER CREEK (Sumner Strait: Lat. 56°20'10"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-12467 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: SHINE CREEK (Sumner 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 (Sumner Strait: Lat. 56°20'10"N; Long. 133°30'10"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 (Sumner 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 8166 shows "BIG CREEK" located between Red Lake and Red Bay. For corrections see RED BAY CREEK note below.

LITTLE CREEK (Sumner Strait, Red Bay: Lat. 56°16'22"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 8166 shows "LITTLE CREEK" incorrectly. The chart should be revised according to the manuscripts.

RED BAY CREEK (Sumner Strait, Red Bay: Lat. 56°15'45"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 8166 and T-13375.
NOTE I: DOUGLAS(S) BAY (Sumner Strait: Lat. 56° 28 'N; Long. 133° 17 ' W.) Correct as named. USGS quadrangle Petersburg (B-4) gives a spelling of DOUGLAS. NOS chart 8160 gives a spelling of DOUGLASS. GPSS-567 notes both spellings. For the correct spelling consult USCGS chart 703.

NOTE J: TOTEM 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.

<table>
<thead>
<tr>
<th>#</th>
<th>Name</th>
<th>C&amp;GS</th>
<th>CG</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Five Fathom Shoal Buoy</td>
<td>$56^\circ$ 21' 56.403&quot;N</td>
<td>133$^\circ$ 13' 58.899&quot;W</td>
</tr>
<tr>
<td>3008</td>
<td>McArthur Reef Lighted Bell Buoy</td>
<td>$56^\circ$ 23' 39.21&quot;N</td>
<td>133$^\circ$ 10' 33.28&quot;W</td>
</tr>
<tr>
<td>3008.50</td>
<td>Mitchell Point Lighted Buoy 7</td>
<td>$56^\circ$ 25' 19.48&quot;N</td>
<td>133$^\circ$ 11' 11.37&quot;W</td>
</tr>
<tr>
<td>3010</td>
<td>Level Island Lighted Buoy 9</td>
<td>$56^\circ$ 27' 7.24&quot;N</td>
<td>133$^\circ$ 02' 29.89&quot;W</td>
</tr>
</tbody>
</table>

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 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

August 20, 1971

Chief of Party

<table>
<thead>
<tr>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>Bn</td>
<td>MACNAMARA P. DAYBEACON</td>
<td>-</td>
<td>52° 20' 16.2&quot; N</td>
<td>143° 00' 53.3&quot; W</td>
<td>1927</td>
<td>TRIANG.</td>
<td>8-26-71</td>
<td>X 8160</td>
</tr>
<tr>
<td>Bn</td>
<td>FOREMOST ROCK DAYBEACON</td>
<td>-</td>
<td>52° 23' 25.1&quot; N</td>
<td>143° 00' 25.1&quot; W</td>
<td>1927</td>
<td>TRIANG.</td>
<td>8-26-71</td>
<td>X 8201</td>
</tr>
<tr>
<td></td>
<td>POINT COLDOYS LIGHT, 1967</td>
<td>802</td>
<td>10° 55' 25.3&quot; N</td>
<td>133° 11' 51.8&quot; W</td>
<td>1927</td>
<td>TRIANG.</td>
<td>8-26-71</td>
<td>X 8201</td>
</tr>
<tr>
<td></td>
<td>THE EYE OPENER LIGHT, 1967</td>
<td>824</td>
<td>10° 30' 50.2&quot; N</td>
<td>133° 16' 51.8&quot; W</td>
<td>1927</td>
<td>TRIANG.</td>
<td>8-26-71</td>
<td>X 8201</td>
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<tr>
<td>Bn</td>
<td>BAY POINT DAYBEACON, 1967</td>
<td>-</td>
<td>52° 20' 32.9&quot; N</td>
<td>133° 08' 70.2&quot; W</td>
<td>1927</td>
<td>TRIANG.</td>
<td>8-26-71</td>
<td>X 8201</td>
</tr>
<tr>
<td></td>
<td>VICHNEESKI ROCK LIGHT, 1967</td>
<td>133</td>
<td>52° 26' 53.7&quot; N</td>
<td>133° 00' 852.4&quot; W</td>
<td>1927</td>
<td>TRIANG.</td>
<td>8-26-71</td>
<td>X 8201</td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 7-18, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if altered, shall be reported on this form. Revisions show both the old and new positions. The data should be considered for the charts of the area and not by individual survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS
61. **GENERAL STATEMENT:**

   See Summary, page 6 of this descriptive report.

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

   Comparison was made with a copy of Registered Survey 1749, 1:80,000 scale dated 1886. Differences are due to time and advancements in survey equipment, procedures and techniques. T-13340 supersedes survey No. 1749 for chart construction purposes.

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

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

   The foreshore and offshore area details on the map are more extensive than on the quadrangle. Totem Point is shown on the quadrangle at the tip of a small island. This area is connected to the larger Kupreanof Island on the map. General uplift of the area is indicated.

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

   Comparison was made with a copy of Registered Smooth Sheet H-9217 (DA-10-5-71).

   Delineation of the shoreline and ponds at Totem Point was revised and unlabeled dashed areas in the cove west of Totem Point were labeled during final review. A large reef area was identified by the field editor at lat. $56^\circ 26.8'$, long. $133^\circ 27.3'$. Clare and a lack of resolution of the photograph (69E(C)-1010) prevented accuracy in placement and configuration of the feature. The placement and configuration of this feature on the smooth sheet was deemed more accurate after examining larger scale photographs of the area. As a result, the reef area was deleted from the map during final review.
Soundings of 2.3 fathoms pass directly through the area labeled "Reef" on the Class I Map at lat. 56°26.7', long. 133°29.6'. That area was relabeled "subm reef" during final review.

65. COMPARISON WITH NAUTICAL CHARTS:

The map was compared with Chart 8201, 1:217,828 scale, 11th edition dated March 4, 1963. Differences are due to time and scale.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

A. L. Shands

A. L. Shands
Final Reviewer, AMC

Approved for forwarding:

B. H. Barnes
Chief, Photogrammetric Branch, AMC

Approved:

John D. Peirce, Jr.
Chief, Photogrammetric Branch

Walter
Chief, Photogrammetry Division
December 11, 1979

TO: Chief, Hydrographic Surveys Division  
   C35  
   H. L. Shands
FROM: A. L. Shands  
       Final Reviewer, AMC
SUBJECT: Changes made to Class I Maps during Final Review

The following is a list of changes made to Class I Maps which affect contemporary hydrographic surveys of the area of Sumner Strait, Alaska.

T-13340

1. The shoreline at Totem Point was revised to more accurately reflect the field editors recommendation and the photographic evidence.

2. The large reef WSW of Totem Point was deleted from the map to avoid conflict with that shown on the smooth sheet. The depiction on the smooth sheet more closely resembles images on the photographs.

3. Several unlabeled areas enclosed with dashed lines are shown on the Class I Map in the cove area west of Totem Point. These were labeled "Kelp" during final.

T-13341

1. Position of reef 2 miles N.E. of Shingle Island was revised to agree with photo position. Field editors identification of this feature on ratio photo 69E(C)2038 is in obvious error. See ratio photo 67E(C)577; stage of tide = -0.2 ft.
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 ratio (conopaque) photo - 69E(C) 560-567, 576, 577, 579,
    2047-2050, 2057, 2058, 2061, and 2062; 69K(I) 3724, 3735, 3736, 3738, 3739,
    and 3746; 69E(C) 983-990, 997, 999, 999A, 999B, 1000, 1010, 1021,
    1026-1028
1 Each matte 69K(I) 3735, 3736, 69E(C) 985, 987-990, 999, 999A, 999B,
    and 1000

FIELD EDIT OZALIDS