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<td>Job No.</td>
<td>PH-6909</td>
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<tr>
<td>Map No.</td>
<td>T-13377</td>
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<tr>
<td>Classification No.</td>
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<td>Edition No.</td>
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**LOCALITY**
- State: Alaska
- General Locality: Sumner Strait
- Locality: Rockery Islands

**1969 TO 1975**

**REGISTRY IN ARCHIVES**

**DATE**
**DESCRIPTIVE REPORT - DATA RECORD**

**PHOTOGRAFMETRIC OFFICE**
Coastal Mapping Division, AMC
Norfolk, Va.

**OFFICER-IN-CHARGE**
J. Carlen, CDR/NOAA

---

**I. INSTRUCTIONS DATED**

<table>
<thead>
<tr>
<th>1. OFFICE</th>
<th>2. FIELD</th>
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<tbody>
<tr>
<td>Aeroetriangulation</td>
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**II. DATUMS**

1. HORIZONTAL:
   - X 1927 North American
   - OTHER (Specify)

2. VERTICAL:
   - MEAN HIGH WATER
   - MEAN LOW WATER
   - MEAN LOWER LOW WATER
   - MEAN SEA LEVEL
   - OTHER (Specify)

3. MAP PROJECTION
   - Polyconic

4. GRID(S)
   - STATE: Alaska
   - ZONE: 1

5. SCALE
   - 1:10,000

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**III. HISTORY OF OFFICE OPERATIONS**

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<td>L. Graves</td>
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<td>6. APPLICATION OF FIELD EDIT DATA</td>
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<td>J. Minton</td>
<td>Jul 1975</td>
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<td>7. COMPILEATION SECTION REVIEW</td>
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<td>F. Gustafson, A.L. Shands</td>
<td>Nov 1975</td>
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<td>8. FINAL REVIEW</td>
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<td>Nov 1975</td>
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<td>9. DATA FORWARD TO PHOTOGRAMMETRIC BRANCH</td>
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<td>A. L. Shands</td>
<td>Nov 1979</td>
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<td>F. R. Watts</td>
<td>Dec 1976</td>
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<td>E. L. Daugherty</td>
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1. COMPILATION PHOTOGRAPHY

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<th>CAMERA(S)</th>
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<td>Wild RC8 &quot;E&quot; and &quot;K&quot;</td>
<td>(C) COLOR (P) PANCHROMATIC (I) INFRARED</td>
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<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<td>69E(C) 2009</td>
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<td>69K(I) 3723 &amp; 3724</td>
<td>7/18/69</td>
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<td>1:20,000</td>
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REMARKS

Subord. Sta. LEVEL ISLAND, SUMNER STRAIT, ALASKA, MEAN RANGE: 12.6 Ft.

2. SOURCE OF MEAN HIGH-WATER LINE:

- From the above list of photographs.

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

- From the above list of photographs.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

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5. FINAL JUNCTIONS

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<td>T-13378</td>
<td>TP-00564 and TP-00565 CM-7206</td>
<td>T-13376</td>
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REMARKS
## HISTORY OF FIELD OPERATIONS

**1. FIELD INSPECTION OPERATION**

<table>
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<th>DATE</th>
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<tbody>
<tr>
<td>CHIEF OF FIELD PARTY</td>
<td>R. Moses</td>
<td>Jun 1969</td>
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**2. HORIZONTAL CONTROL**

- Recovered by: None
- Established by: None
- Pre-marked or identified by: None

**3. VERTICAL CONTROL**

- Recovered (Triangulation Stations) by: None
- Established (Field Methods) by: None
- Pre-marked or identified by: None

**4. LANDMARKS AND AIDS TO NAVIGATION**

- Recovered (Located) (Field Methods) by: None
- Identified by: None

**5. GEOGRAPHIC NAMES**

- Investigation type: Complete
- Specific names only: None
- No investigation: X

**6. PHOTO INSPECTION**

- Clarification of details by: None

**7. BOUNDARIES AND LIMITS**

- Surveyed or identified by: NA

### SOURCE DATA

**1. HORIZONTAL CONTROL IDENTIFIED**

- None

**2. VERTICAL CONTROL IDENTIFIED**

- None

**3. PHOTO NUMBERS**

- (Clarification of details)

- None

**4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED**

- None

**5. GEOGRAPHIC NAMES**

- Report: None
- X None

**6. BOUNDARY AND LIMITS**

- Report: None
- X None

**7. SUPPLEMENTAL MAPS AND PLANS**

- None

**8. OTHER FIELD RECORDS**

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

- None
# HISTORY OF FIELD OPERATIONS

1. **FIELD EDIT OPERATION**

<table>
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<td>2. HORIZONTAL CONTROL</td>
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<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
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<td>6. PHOTO INSPECTION</td>
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3. **PHOTO NUMBERS (Clarification of details)**

- 69K(I) 3724 & 69K(I) 2010

4. **LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED**

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6. **BOUNDARY AND LIMITS:**

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7. **SUPPLEMENTAL MAPS AND PLANS**

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

- 1-Field Edit Report
- 1-Field Edit Ozalid
## HISTORY OF FIELD OPERATIONS

### 1. FIELD INSPECTION OPERATION

<table>
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<th>OPERATION</th>
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<th>DATE</th>
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<td>2. HORIZONTAL CONTROL</td>
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<td>H. Herz, S. Young</td>
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<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
<td>H. Herz, S. Young</td>
<td>Aug 1971</td>
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### SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
   - None

2. VERTICAL CONTROL IDENTIFIED
   - NA

### LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

- None

### OTHER FIELD RECORDS

- Field Edit Report
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### II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

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<td>1</td>
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<td>7/29/74</td>
<td>Aid to be Charted</td>
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2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 7/29/74

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

### III. FEDERAL RECORDS CENTER DATA

1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORTS; COMPUTER READOUTS.
2. CONTROL STATION IDENTIFICATION CARDS; RECORDS SUBMITTED BY FIELD PARTIES.
3. SOURCE DATA (except for Geographic Names Report) not listed in Section II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

4. DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED:

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

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<td>DATE OF FIELD EDIT</td>
<td>RESURVEY</td>
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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 Summer Strait. The pur-
pose 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 Wchnefski 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-13377

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.
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,

Robert B. Kelly

Approved and forwarded,

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

- **Δ** Control used in adjustment
- **( )** Closures of bridge to control shown in parenthesis
- **Δ** Control used as check

### Strip 1

<table>
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<th>Date</th>
<th>Closures</th>
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<tr>
<td>Next, 1929</td>
<td>+1.0, -1.9</td>
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<tr>
<td>Swigg, 1913</td>
<td>0.0, +1.0</td>
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<tr>
<td>Barrie, 1915</td>
<td>+0.9, -3.3</td>
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<tr>
<td>Eng, 1927</td>
<td>+0.3, -0.4</td>
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### Strip 2

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COMPUTED BY A. C. Rauck, Jr. DATE 9/14/70
COMPUTATION CHECKED BY C. E. Blood DATE 10/6/70
LISTED BY DATE
LISTING CHECKED BY DATE
HAND PLOTTING BY DATE
HAND PLOTTING CHECKED BY DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.
COMPILATION REPORT
T-13377
SHORELINE

31. **DELINEATION:**

The mean high water line was compiled by the Wild B-8 plotter. Rocks and ledge were delineated from office interpretation of the photographs.

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:**

Shoreline and alngshore details were compiled from office interpretation of the photographs and the stereo models.

36. **OFFSHORE DETAILS:**

See Item 31.

37. **LANDMARKS AND AIDS:**

Compilation office prepared work copies of Forms 76-40 were forwarded to the field editor for verification, location and/or deletion.
38. **CONTROL FOR FUTURE SURVEYS:**

None.

39. **JUNCTIONS:**

There was no contemporary survey to the north. Junctions were made with T-13376 to the west and T-13378 to the east, and TP-00564 and TP-00565 (CM-7206).

40. **HORIZONTAL AND VERTICAL ACCURACY:**

No statement.

46. **COMPARISON WITH EXISTING MAPS:**

Comparison was made with USGS Quadrangle PETERSBURG (B-4), ALASKA, scale 1:63,360, dated 1949, with minor revisions 1964.

47. **COMPARISON WITH NAUTICAL CHARTS:**

A comparison was made with Chart 8160, scale 1:80,000, 7th edition, dated July 4, 1970.

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

None.

**ITEMS TO BE CARRIED FORWARD:**

None.
Submitted by: 
Frank P. Margiotta  
Cartographic Aid  
2/1/71

Approved: 

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

PHI-6909 (Alaska)

T-13377

Clarence Strait
Prince of Wales Island
Rockery Islands
Round Island
Salmon Bay
Sumner Strait

Approved by:

A. Joseph Wright
Chief Geographer

Prepared by:

Frank W. Pickett
Cartographic Technician
**PHOTOGRAMMETRIC OFFICE REVIEW**

<table>
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<th>2. TITLE</th>
<th>3. MANUSCRIPT NUMBERS</th>
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**CONTROL STATIONS**

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

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<th>17. LANDMARKS</th>
<th>18. OTHER ALONGSHORE PHYSICAL FEATURES</th>
<th>19. OTHER ALONGSHORE CULTURAL FEATURES</th>
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<th>25. SPOT ELEVATIONS</th>
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**CULTURAL FEATURES**

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<th>27. ROADS</th>
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**MISCELLANEOUS**

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<th>37. DESCRIPTIVE REPORT</th>
<th>38. FIELD INSPECTION PHOTOGRAPHS</th>
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**REVIEWER**

A. C. Rauck, Jr.

L. L. Graves 2/3/71

**SUPERVISOR**

A. C. Rauck, Jr.

**REMARKS**

See form 76-36, Items 3 and 8.
FIELD EDIT REPORT
SILVER STRAIT
SOUTHEAST ALASKA
OFR-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  Fort Protection
T-12467  Flicker Creek
T-12468  Buster Bay
T-12469  Mud Creek
T-12470  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 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 Cak Sheets Bay north of the Leval 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
- 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 GPR-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-13377

SUMNER STRAIT - ROCKERY ISLANDS

SOUTHEAST ALASKA

AUGUST 24, 25, 1971

Field edit of map T-13377 was done by LTJG. Howard W. Herz and LNS. Stephen A. Young during August 1971. Inspection was done by foot and small boat.

METHOD

Field photographs and a copy of the field ozalid were taken into the field. No photographs were available for adequate coverage of the Rockery Islands. Inspection of the islands was made in the field and ledge limits are considered accurate. The mean high water line was visually inspected with special attention given to areas in question on the ozalid. No changes were made to the MHWL and it is considered correct. High points of rocks and ledges have been noted. All times given are 1050 W meridian. Changes delineated on the photographs have been referenced on the ozalids. Notes were made on the photograph: 69t2552.

ADEQUACY OF COMPILATION

The compilation of this map is very good along Prince of Wales Island. The MHWL appears to be accurate in both shape and location. The foul areas south of Bay Point Daybeacon should be revised in accordance with the notes made on the ozalid. The following visual sextant fix data was used to locate the four positions noted on the ozalid:

Position #1 - high point and center of islet.

57° 56'  POINT COLPOYS LIGHT, 1957
           BAY POINT DAYBEACON, 1967

76° 10'   MARES, 1915-1916

102° 16'  BAY POINT DAYBEACON-HACHAMARA POINT
           DAYBEACON (check angle)

Position #2 - submerged rock in kelp.

64° 33'   POINT COLPOYS LIGHT, 1967
           BAY POINT DAYBEACON, 1967
69° 56'  MARE2, 1915-1916
95° 33'  BAY POINT DAYBEACON-MACMAHARA POINT
         DAYBEACON (check angle)

Position #3 - Rock
38° 40'  POINT COLFOYS LIGHT
         BAY POINT DAYBEACON
80° 10'  MARE2
106° 33'  BAY POINT DAYBEACON-MACMAHARA POINT
          DAYBEACON (check angle)

Position #4 - Rock
37° 35'  POINT COLFOYS LIGHT
         BAY POINT DAYBEACON
81° 37'  MARE2
108° 15'  BAY POINT DAYBEACON-MACMAHARA POINT
          DAYBEACON (check angle)

There are two fixed aids to navigation located on this
sheet. Form 567 has been submitted in a report titled "Fixed
Aids To Navigation". 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 be
accepted as an advance manuscript.

Respectfully submitted,

Howard W. Herz
LTJG.  NOAA

Stephen A. Young
ENS.  NOAA
SPECIAL REPORT
ON
GEOGRAPHIC NAMES
OPR-448
SOUTHEAST ALASKA
SOUTH KEKU STRAIT - SUMNER STRAIT

NOAA SHIP DAVIDSON

CDR GERALD O. 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 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 (Buchshot), 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°19'35"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°36'10"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 (E-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 (Summer Strait: Lat. 56°19'35"N; Long. 133°28'30"W.) So named in GSPP-567 and on USGS quadrangle Petersburg (E-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°20'00"N; Long. 133°20'00"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 (E-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°16'22"N; Long. 133°20'15"W.) Correct as shown on USGS quadrangle Petersburg (E-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. 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 8168 and T-13375.
NOTE I: DOUGLAS(S) BAY (Sumner Strait: Lat. 56°28'N; Long. 133°07'W.) Correct as named. USGS quadrangle Petersburg (B-4) gives a spelling of DOUGLAS. NOS chart 8160 gives a spelling of DOUGLASS. CPSS-567 notes both spellings. For the correct spelling consult USCGS chart 706.

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 AILS TO NAVIGATION

LANDMARKS

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

NON-FLOATING AILS 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 AILS 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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<td>3008</td>
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<td>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

August 31, 1971

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

_Capt. Ronald C. Salesin_
Chief of Party

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<th>STATE</th>
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<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
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<th>LONGITUDE*</th>
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<td>195° 07'</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 desired, 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 individuals. Information under each column heading should be given.

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<tr>
<td>Locality</td>
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<tr>
<td>SUMNER STRAIT</td>
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<td>CDR M. H. FLEMING, NOAA</td>
</tr>
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USCOMDC 37022-P68
FIELD EDIT REPORTS

T-13376 through T-13378
and
T-12462 through T-12465

SUMNER STRAIT, ALASKA

OPR-448-DA-75

NOAA SHIP DAVIDSON

CDR. M.H. FLEMING

Chief of Party
INTRODUCTION

In compliance with Change No. 2 (dated 7/2/75) to project instructions OPR-448-DA-75, field edit was completed on seven class III, partially field-edited manuscripts. They are T-13376 through T-13378 and T-12462 through T-12465. Field edit of these sheets was supposedly done in 1971, but data was lost in transmittal. In most cases the entire sheet was reedited. Due to few available photographs, the Chronopaque office photo had to be used in a few instances. Where this was required, due care was taken not to obliterate the referenced feature.

CONTROL

Position control for all these sheets was by means of the Motorola MINIRANGER III system. Three, independent, calibrated rates were obtained for each fix to assure its validity. The MINIRANGER systems used were calibrated on a known baseline on September 15, 1975. Correctors obtained during this calibration are tabulated on the appended position abstract for each sheet report. Field positions are self-checking and methods used are described in each report.

The HYDROPLOT system was used to produce detached position overlays (COMPLOY sheets) for each sheet where detached positions were taken. Analytically computed geodetic positions are accurate and may be used directly in application of this field edit. Lattices plotted on these overlays are labeled per PROVISIONAL HYDRO MANUAL specifications.

MISCELLANEOUS

76-40 forms were submitted with 1971 field edit and are not again submitted. See R292320# SEPT 75 CPM radio message appended.

One master signal tape is included for all sheets. The printout is appended. Separate HYDROPLOT Parameter, Master, and Corrector tapes were made for each sheet where fixes were required.

Separate Field Edit Reports for each sheet follow.

SEPARATES FOLLOWING FIELD EDIT REPORTS:

Index of Field Edit Sheets
Combined Tides Requirements Form
R292320 Sept 75 CPM Radio Message
FIELD EDIT REPORT

T-13377
ROOKERY ISLAND

OPR-448-DA-75

SUMNER STRAIT, ALASKA

NOAA SHIP DAVIDSON

CDR M.H. FLEMING

-1975-
(51 METHODS)

Field edit on T-13377 was accomplished under project instructions OPR-448-DA-75, Change No. 2, dated 7 July 1975, as per Change No. 4-75 PMC OPORDER.

OPORDER procedures for field edit with HYDROPLOT support, not in conjunction with hydrography, were used.

A Field Edit Sheet, field photograph 69K3724 R, and 69K2010 (c) were taken into the field to investigate and identify compiled features.

This manuscript was partially field edited in 1971 but the data and some photographs were lost. The area east of Prince of Wales Island, around Rookery and Round Island, lacked field or office photographs and this area was verified by taking fixes and plotting them against the compiled field edit sheet. The area of the manuscript covering the northeast end of Prince of Wales Island was field edited through the use of the photographs listed. Because office photographs are not available, care was exercised not to obliterate images on the photos, and features were circled rather than pricked.

The Field Edit investigation was conducted on 10 September 1975 from a Bertram hydrographic launch (vessel 3131) which was equipped with Motorola MINI-RANGER III. Fixes were initially hand plotted in the field. Where fixes confirmed photogrammetric compilation, no fix data was recorded. Fixes were recorded when locating new features or revising mapped features.

Where fixes were required, three independent, calibrated MINI-RANGER rates were observed and recorded along with the description and feature data. See appended abstracts.

The abstracts were processed as follows:

1. When the field editor took a fix, he radioed the recorded fix data to the ship. Ship personnel then computed (using Program RK300, function 10; Electronic Rates to Electronic Rates) the true third rate from the field rates corrected for calibration error. The computed third rate was then compared to the observed third field rate to assure an accurate fix had been obtained. If the fix met accuracy standards, the field editor continued field work. The results of the computations are recorded on the abstracts in red ink directly below each observed field rate.

2. The pair of rates yielding the strongest fix was then circled and logged on the HYDROPLOT Master Detached Position tape for plotting. Also, RK 300, function 3, (Electronic
Rates to XY and GP) was invoked to compute the geodetic position of the fix. G.P.'s obtained were recorded with the feature description on the abstract.

3. RK 211 (R/R Position and Sounding Plot) was used to plot logged fixes on the Field Edit Overlay. Paper overlays were produced instead of the recommended mylar overlay due to cost and short supply of mylar, the fact that a G.P. was computed and tabulated for each position, and the small number of fixes involved.

All fixes meet NOS position accuracy requirements as defined in section 1.1.2 of the Provisional Hydrographic Manual. The tabulated position should be accepted as verified.

All original data was recorded on the field sheet at the time of investigation by the Field Editor.

All times are referenced to GMT (Z).

Weather observations for the day of field edit were as follows: wind-calm; fog in the morning, clear in the afternoon; water vertical visibility - 10'.

A tide gage was installed at Little Level Island to provide tide data. This gage was not a requirement in the project instructions; however, it should assist in defining tides for these sheets.

Deletions, additions, and verified features are noted on the Field Edit Ozalid. Only the additions and verified features are noted on the photograph.

Field edit notes are on field photograph 69K2010 (c) and 69K3724 R.

As per instructions on the Field Edit Ozalid, the ink colors do not follow standard procedures. The ink colors used are as follows:

<table>
<thead>
<tr>
<th>COLOR</th>
<th>USE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>Verified features</td>
</tr>
<tr>
<td>Green</td>
<td>Deletions</td>
</tr>
<tr>
<td>Red</td>
<td>Revisions and 1975 field edit</td>
</tr>
<tr>
<td>Violet</td>
<td>1971 field edit</td>
</tr>
</tbody>
</table>

(52 ADEQUACY AND COMPILATION)
The map compilation is adequate and complete for charting with this field edit applied.

(53 MAP ACCURACY)

The shoreline, foreshore, and offshore features were found to be very accurate. Only a few additions were necessary, mostly in areas that are subject to change (i.e., kelp limits). Dense kelp was mistaken on several occasions for rocks.

(54 RECOMMENDATIONS)

This manuscript should be considered complete with corrections compiled from the field edit.

(56 MISCELLANEOUS)

No Forms 76-40 were provided with this manuscript.

Field sheets were constructed and MINI-RANGER lattices applied using the HYDROPLOT software program RK 201 (Grid, Signal, and Lattice Plot; version 8/16/74).

MINI-RANGER fixes were computed with program RK 300 (Utility Computations; version 5/22/75).

MINI-RANGER fixes were plotted with program RK 211 (R/R Position and Sounding Plot; version 8/16/74).

Submitted by,

D.S. Eilers
LT, NOAA

Approved by,

Michael H. Fleming
CDR, NOAA
Commanding Officer
<table>
<thead>
<tr>
<th>Function</th>
<th>Pattern 1</th>
<th>Pattern 2</th>
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**Note:**
- The table values are not legible due to the image quality.
- The diagram shows a sector chart with various measurements.
- The text indicates that the MAX RATE and MIN RATE are to be plotted to two degrees from the central angle of the sector.
<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>FIELD INSPECTION</th>
<th>COMPILATION</th>
<th>FIELD EDIT</th>
<th>CHARTS AFFECTED</th>
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<td>DAYDEACON</td>
<td>(Bay Point Daybeacon, 1967)</td>
<td>56 20</td>
<td>10.66l</td>
<td>133 09</td>
<td>10.813</td>
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<td>8/26/71</td>
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REVIEW REPORT
T-13377
SHORELINE
November 15, 1979

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

None made.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangle, Petersburg (B-4),
Alaska, 1:63,360 scale, dated 1949. Foreshore area details around
Rookery Islands are more extensive on the map than on the quadrangle.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

There is no contemporary hydrographic survey covering the area of
this map from lat. 56°20'00" southward. The area north of lat. 56°20'00"
was compared with a copy of Registered Smooth Sheet H-9269 (DA-10-1-72).
There are no differences.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 17382, 1:80,000 scale, 11th edition
dated March 26, 1977.

Rookery Island Light is shown on the chart at lat. 56°19.9, long.
133°06.3'. This feature was not positioned by the field editor and is
not visible on the photographs. This reviewer learned through a
telephone conversation with the National Geodetic survey that there
is no published position for "Rookery Island Light." Because of this,
the feature is not shown on the map.
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
B. H. Barnes
Chief, Photogrammetric Branch, AMC

Approved:

John D. Barnes Jr.
Chief, Photogrammetric Branch

Walter H. Barnes
Chief, Photogrammetric 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 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

19 FIELD EDIT OZALIDS