T-13339

ORIGINAL

NOAA FORM 76-35
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey: Shoreline
Job No.: PH-6909  Map No.: T-13339
Classification No.: Final  Edition No.: 1
Field Edited Map

LOCALITY

State: Alaska
General Locality: Sumner Strait
Locality: Little Totem Bay

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

I. INSTRUCTIONS DATED

<table>
<thead>
<tr>
<th>1. OFFICE</th>
<th>2. FIELD</th>
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<tbody>
<tr>
<td>Aerotriangulation</td>
<td>Premarking</td>
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<td>October 2, 1969</td>
<td>May 14, 1969</td>
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<td>September 14, 1970</td>
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<td>MEAN LOW-WATER</td>
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<td>MEAN SEA LEVEL</td>
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3. MAP PROJECTION

Polyconic

4. GRID(S)

STATE: Alaska
ZONE: 1

5. SCALE

1:10,000

III. HISTORY OF OFFICE OPERATIONS

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<th>DATE</th>
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<td>R. Kelly</td>
<td>Apr 1970</td>
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<td>2. CONTROL AND BRIDGE POINTS</td>
<td>P. Dempsey</td>
<td>Aug 1970</td>
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<td>METHOD: Coradomat</td>
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<td>CHECKED BY</td>
<td></td>
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<tr>
<td>3. STEREOSCOPIC INSTRUMENT COMPILATION</td>
<td>A. Shands</td>
<td>Oct 1970</td>
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<td>INSTRUMENT: Wild B-8 Graphic</td>
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<td>F. Margiotta</td>
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<td>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</td>
<td>F. R. Watts</td>
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<td>11. MAP REGISTERED - COASTAL SURVEY SECTION</td>
<td>E. L. Daugherty</td>
<td>Jan 1980</td>
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<td>BY</td>
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### Compilation Sources

#### 1. Compilation Photography

**Camera(s):**

Wild RC-8 "E"

**Tide Stage Reference:**

- **Predicted Tides**
- **Reference Station Records**
- **Tide Controlled Photography**

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<th>Time</th>
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<td>1:30,000</td>
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<td>8/5/69</td>
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<td>7/69</td>
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**Remarks:**

Subord. Sta. Level Islands, Summer Strait Mean Range 12.6 ft.

#### 2. Source of Mean High-Water Line:

From the above list of photographs augmented by field editor's notes.

#### 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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<th>Survey Number</th>
<th>Date(s)</th>
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#### 5. Final Junctions

**North**
- No survey

**East**
- T-13341

**South**
- T-13340

**West**
- No Survey

**Remarks**
# HISTORY OF FIELD OPERATIONS

## 1. FIELD INSPECTION OPERATION

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<td>1. CHIEF OF FIELD PARTY</td>
<td>R. Moses</td>
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### 2. HORIZONTAL CONTROL

- **Established By:** None
- **Pre-Marked or Identified By:** None
- **Recovered By:** None

### 3. VERTICAL CONTROL

- **Established By:** None
- **Pre-Marked or Identified By:** None
- **Recovered (Triangulation Stations) By:** None
- **Located (Field Methods) By:** None

### 4. LANDMARKS AND AIDS TO NAVIGATION

- **Located By:** None
- **Identified By:** None

### 5. GEOGRAPHIC NAMES INVESTIGATION

- **Complete:** No
- **Specific Names Only:** No
- **No Investigation:** Yes

### 6. PHOTO INSPECTION

- **Clarification of Details By:** None

### 7. BOUNDARIES AND LIMITS

- **Surveyed or Identified By:** NA

## II. 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

### 6. BOUNDARY AND LIMITS

- **Report:** None

### 7. SUPPLEMENTAL MAPS AND PLANS

- **None**

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

- **None**
### HISTORY OF FIELD OPERATIONS

<table>
<thead>
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<th>Operation</th>
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<td>1. CHIEF OF FIELD PARTY</td>
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<td>6. PHOTO INSPECTION</td>
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| SURVEYED OR IDENTIFIED BY                     | NA         |

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69E(C) 579

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5. GEOGRAPHIC NAMES: [ ] REPORT [ ] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [ ] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

- Field Edit Report
- Field Edit Ozalid
NOAA FORM 76-36D  
U.S. DEPARTMENT OF COMMERCE  
T-13339  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

<table>
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II. LANDMARKS AND AIDS TO NAVIGATION

None

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

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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 557 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)

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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 Vichnefski 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-13339

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 Corradi, 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>

<CONTROL USED AS CHECK>

<CONTROL SHOWN IN PARENTHESES>

STRIP 1

∆ Lora, 1929  (-0.9, +1.1)
∆ West, 1929  (+1.0, -1.9)
∆ Shinoct, 1915 (0.0, +1.0)
∆ Barrie 2, 1915 (+0.9, -3.3)
∆ Eng, 1927  (+0.3, -0.4)

STRIP 2

∆ Frank, 1954  (0.0, -0.6)
∆ Queen, 1954  (-0.5, +1.0)
∆ Sid, 1916    (+0.1, +0.5)
∆ West, 1915  (-0.5, +0.8)
∆ Coir, 1916   (+0.2, -1.4)
∆ Jeff, 1916   (-0.5, +0.4)

STRIP 3

∆ Jeff, 1916  (0.0, +0.2)
∆ March 2, 1915 (-0.7, -0.2)
∆ Saint 2, 1915 (+0.1, +0.4)
∆ Vincennes Rock, 1967 (-1.0, -0.6)
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COMPILATION REPORT
T-13339
SHORELINE

31. **DELINEATION:**

   The mean high water line, foreshore details, offshore rocks and reefs were compiled by the Wild B-8 stereoplotter.

   The low water line was compiled graphically from photographs 69E 578 thru 69E 580 taken at 0.2 tide.

32. **CONTROL:**


33. **SUPPLEMENTAL DATA:**

   None.

34. **CONTOURS AND DRAINAGE:**

   Contours are not applicable.

   Drainage was delineated from photo interpretation.

35. **SHORELINE AND ALONGSHORE DETAILS:**

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

   The approximate mean lower low water line was delineated from ratio color prints No's. 69E(C) 578 through 69E(C) 581 taken at 0.2 tide.

36. **OFFSHORE DETAILS:**

   No statement.
37. **LANDMARKS AND AIDS:**

None.

38. **CONTROL FOR FUTURE SURVEYS:**

None.

39. **JUNCTIONS:**

Junctions were made with T-13340 to the south and T-13341 to the east. There are no contemporary surveys to the north and west.

40. **HORIZONTAL AND VERTICAL ACCURACY:**

No statement.

46. **COMPARISON WITH EXISTING MAPS:**

Comparison was made with USGS Quadrangle Petersburg (C-5) and (B-5) Alaska, each scale 1:63,360, dated 1951 and 1949 respectively, L.S. 12/15/79.

47. **COMPARISON WITH NAUTICAL CHARTS:**


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

None.
ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

[Signature]
R. J. Pate
Cartographic Tech.
12/3/70

Approved:

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

GEOGRAPHIC NAMES
FINAL NAME SHEET
PH-6909  (Alaska)

T-13339

* Kupreanof Island
  * Little Totem Bay
  * Sumner Strait
  * Totem Bay

* Not shown on map A.L.S
  11/6/79

Approved by:

A. J. Wright
A. Joseph Wright
Chief Geographer

Prepared by:

Frank W. Pickett
Cartographic Technician
<table>
<thead>
<tr>
<th>Item</th>
<th>Title</th>
<th>Manuscript Numbers</th>
<th>Manuscript Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Projection and Grids</td>
<td>RJP</td>
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<tr>
<td>4.</td>
<td>Manuscript Size</td>
<td>RJP</td>
<td>RJP</td>
</tr>
</tbody>
</table>

**Control Stations:**
- 5. Horizontal Control Stations of Third-Order or Higher Accuracy: RJP
- 6. Recoverable Horizontal Stations of Less Than Third-Order Accuracy (Topographic stations): NA
- 7. Photographic Stations: NA

**Bench Marks:**
- 8. Bench Marks: NA
- 9. Plotting of Sextant Fixes: BW
- 10. Photogrammetric Plot Report: RJP
- 11. Detail Points: RJP

**Alongshore Areas (Nautical Chart Data):**
- 12. Shoreline: RJP
- 13. Low-Water Line: RJP
- 14. Rocks, Shoals, Etc.: RJP
- 15. Bridges: RJP
- 16. Aids to Navigation: BW
- 17. Landmarks: BW
- 18. Other Alongshore Physical Features: RJP
- 19. Other Alongshore Cultural Features: RJP

**Physical Features:**
- 20. Water Features: RJP
- 21. Natural Ground Cover: RJP
- 22. Planetary Contours: NA
- 23. Stereoscopic Instrument Contours: NA
- 24. Contours in General: NA
- 25. Spot Elevations: NA
- 26. Other Physical Features: RJP

**Cultural Features:**
- 27. Roads: RJP
- 29. Railroads: RJP
- 30. Other Cultural Features: RJP

**Boundaries:**
- 31. Boundary Lines: NA
- 32. Public Land Lines: NA

**Miscellaneous:**
- 33. Geographic Names: RJP
- 34. Juncions: RJP
- 35. Legibility of the Manuscript: RJP
- 36. Discrepancy Overlay: RJP
- 37. Descriptive Report: RJP
- 38. Field Inspection Photographs: BW
- 39. Forms: RJP

**Reviewer:**
- Albert C. Rauck, Jr. (Signed)
- R. J. Pate (Signed) 12/3/70

**Supervisor, Review Section or Unit:**
- Albert C. Rauck, Jr. (Signed)

**Field Completion Additions and Corrections to the Manuscript:**
- 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:**
- J. F. Margaotta (Signed) 12/16/71

**Reviewer:**
- B. Wilson (Signed) 12/17/71

**Remarks:**
- FieldEdit applied from: See form 76-36C, Items 3, 7, & 8
FIELD EDIT REPORT
SUNDER STRAIT
SOUTHEAST ALASKA
GPR-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  Baster 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-10-2-71
- DA-10-4-71
- DA-10-5-71
- DA-10-6-71

- DA-10-7-71
- DA-10-8-71
- DA-10-9-71
- 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 Osalids 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 Yak Sheets Bay north of the Level Islands. Shoreline on the northern section of boat sheet 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-13339

SUMNER STRAIT - LITTLE TOTEM BAY

SOUTHEAST ALASKA

JUNE 1971

The field edit of map T-13339 was done by LTJG. Russell C. Arnold on June 16, 1971. Inspection was made by small boat and on foot.

METHOD

Field photographs and a copy of the field ozalid were taken into the field. The MHWL was visually inspected with special attention given to areas in question on the ozalid. Changes to the MHWL 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 1050 W meridian. All changes delineated on the photographs have been cross referenced on the ozalid. Notes were made on the following processed photograph: 695-D(C)579. See boatsheet DA-10-6-71 for any foul area limits.

ADEQUACY OF COMPILATION

The compilation of this map was good. The MHWL is accurate in both configuration and location with exceptions as noted. Ledge limits and foul areas were in agreement except 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
LTJG. NOAA
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 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 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°01'35"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°01'32"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°02'30"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 (Sumner Strait: Lat. 56°21'05"N; Long. 133°35'15"W) Previously called "HOFSTEAD BIGHT" after Richard Hofstead who had a small store and herring traps there (Louis and Coulter-Wrangel). Known today as MERRIFIELD BAY by the local fisherman. The present name of MERRIFIELD BAY should be retained.

NOTE E: FLICKER CREEK (Sumner Strait: Lat. 56°20'00"N; Long. 133°33'10"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 "HUNKY CREEK" by some of the fisherman (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'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-Wrangel).

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 8168 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°20'15"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 (Sumner Strait, Red Bay: Lat. 56°15'45"N; Long. 133°19'15"W) Local name given to the creek that joins Red Lake and Red Bay (Woolery, Louis & Coulter - Port Protection and Wrangel). As many local fisherman 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°26′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. CGSS-567 notes both spellings. For the correct spelling consult USGS chart 706.

NOTE J: TOTEM POINT (Sumner Strait: Lat. 56°27′10″N; Long. 133°25′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

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></th>
<th>C&amp;GS</th>
<th>CG</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Five Fathom Shoal Buoy</td>
<td>$56^\circ 21' 56.403''W$</td>
<td>$133^\circ 13' 58.899''W$</td>
</tr>
<tr>
<td>3008</td>
<td>McArthur Reef Lighted Bell Buoy</td>
<td>$56^\circ 23' 39.21''N$</td>
<td>$133^\circ 10' 33.28''W$</td>
</tr>
<tr>
<td>3008.50</td>
<td>Mitchell Point Lighted Buoy 7</td>
<td>$56^\circ 25' 19.48''N$</td>
<td>$133^\circ 11' 11.37''W$</td>
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<tr>
<td>3010</td>
<td>Level Island Lighted Buoy 9</td>
<td>$56^\circ 27' 7.24''N$</td>
<td>$56^\circ 27.1''W$</td>
</tr>
</tbody>
</table>

Respectfully submitted,

Howard W. Herz
LTJG., NOAA

Approved,

Gerald C. Saladino
CDR., NOAA
Commanding Officer
NOAA Ship DAVIDSON
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

Chief of Party.

<table>
<thead>
<tr>
<th>Charting Name</th>
<th>Description</th>
<th>Signal Name</th>
<th>Latitudes</th>
<th>Longitudes</th>
<th>Method of Location and Survey No.</th>
<th>Date of Location</th>
<th>Chart Affected</th>
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<tbody>
<tr>
<td>R Bn</td>
<td>MAZAMA PIL DAYBEACON</td>
<td>-</td>
<td>51° 19'</td>
<td>124° 10'</td>
<td>1987</td>
<td>TRIGRA</td>
<td>8-26-71</td>
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<tr>
<td>Bn W</td>
<td>FOREMOST ROCK DAYBEACON</td>
<td>-</td>
<td>50° 30'</td>
<td>124° 10'</td>
<td>1987</td>
<td>TRIGRA</td>
<td>8-26-71</td>
</tr>
<tr>
<td></td>
<td>POINT COLDWAYS LIGHT, 1967</td>
<td>802</td>
<td>56° 20'</td>
<td>124° 10'</td>
<td>1987</td>
<td>TRIGRA</td>
<td>8-26-71</td>
</tr>
<tr>
<td></td>
<td>THE EYE OPENER LIGHT, 1967</td>
<td>824</td>
<td>56° 23'</td>
<td>124° 10'</td>
<td>1987</td>
<td>TRIGRA</td>
<td>8-26-71</td>
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<tr>
<td>R W Bn</td>
<td>BOY POINT DAYBEACON, 1967</td>
<td>-</td>
<td>56° 20'</td>
<td>124° 10'</td>
<td>1987</td>
<td>TRIGRA</td>
<td>8-26-71</td>
</tr>
<tr>
<td></td>
<td>VICHNEESKI ROCK LIGHT, 1967</td>
<td>193</td>
<td>56° 20'</td>
<td>124° 10'</td>
<td>1987</td>
<td>TRIGRA</td>
<td>8-26-71</td>
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</tbody>
</table>

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 needed, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individuals. Old survey sheets. Information under each heading should be given.
REVIEW REPORT
T-13339
SHORELINE
November 6, 1979

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 No. 1749, 1:80,000 scale, dated 1886. Differences are due to time and advancements in survey equipment techniques and procedures. T-13339 supersedes Survey No. 1749 for chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangles, Petersburg (E-5) and (C-5), Alaska each 1:63,360 scale, dated 1949 and 1951 respectively.

The foreshore area is more seaward on the map. Several small islands not shown on the quadrangle were mapped in the southern part of Little Totem Bay. Previously unmapped reef is shown on the map at lat. 56°28.8', long. 133°25.2'. A general uplift is indicated.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of Registered Smooth Sheet H-9218 (DA-10-6-71). There are no differences.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 8201 11th edition, dated March 4, 1963, 1:217,827 scale. Differences are due to time and 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
A. L. Shands
Final Reviewer, AMC

Approved for forwarding:

Chief, Photogrammetric Branch, AMC

Approved:

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

FIELD EDIT OZALIDS