DESCRIPTIVE REPORT

Type of Survey: SHORELINE (PHOTOGRAMMETRIC)

Field No.: Office No.: T-12200

LOCALITY

State: ALASKA

General locality: KEKI STRAIT

Locality: DAKANEEK BAY

1961-1969

CHIEF OF PARTY

Alfred C. Holmes, Director, AMC

LIBRARY & ARCHIVES

DATE: ____________________________
MAP NOT INSPECTED IN QUALITY CONTROL PRIOR TO REGISTRATION
**PROJECT NO. (III):**

Job PH-6206

**FIELD OFFICE (III):**

CHIEF OF PARTY

**PHOTOGRAMMETRIC OFFICE (III):**

Atlantic Marine Center

OFFICER-IN-CHARGE

Alfred C. Holmes, RADM, NOAA

**INSTRUCTIONS DATED (III) (IV):**

<table>
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<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>January 18, 1965</td>
<td>OFFICE</td>
</tr>
<tr>
<td>November 26, 1965</td>
<td>OFFICE SUPPLEMENT I</td>
</tr>
<tr>
<td>January 26, 1967</td>
<td>OFFICE AMENDMENT III</td>
</tr>
<tr>
<td>May 11, 1965</td>
<td>FIELD</td>
</tr>
<tr>
<td>June 14, 1965</td>
<td>FIELD</td>
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**METHOD OF COMPILATION (III):**

Wild B-8

**MANUSCRIPT SCALE (III):**

1:10,000

**STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):**

1:8,333 photograph to 1:10,000

**DATE RECEIVED IN WASHINGTON OFFICE (IV):**

**DATE REPORTED TO NAUTICAL CHART BRANCH (IV):**

**APPLIED TO CHART NO.**

**DATE:**

**DATE REGISTERED (IV):**

Sep 4, 1975

**GEOGRAPHIC DATUM (III):**

N.A. 1927

**REFERENCE STATION (III):**

LIND 1927

**LAT.:**

56° 50' 44.132" (1365.1m)

**LONG.:**

133° 52' 03.065" (52.0m)

**STATE:**

Alaska

**ZONE:**

1

**PLANE COORDINATES (IV):**

1,830 849.57 ft.  x = 2,645 433.18 ft.

**VERTICAL DATUM (III):**

MHW

**EXCEPT AS FOLLOWS:**

Elevations shown as (2) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., (2) mean lower low water

**ADJUSTED**

**UNADJUSTED**

USCGSM DC 35328A - P55
### DESCRIPTIVE REPORT - DATA RECORD

**FIELD INSPECTION BY (III):**

None

**DATE:**


**MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):**

July 16, 1961 and July 29, 1965
Air Photo Compilation

**PROJECTION AND GRIDS RULED BY (IV):**

A. E. Roundtree

**DATE:**

11-09-65

**PROJECTION AND GRIDS CHECKED BY (IV):**

R. S. Kornsapan

**DATE:**

11-09-65

**CONTROL PLOTTED BY (III):**

C. H. Bishop

**DATE:**

01-13-66

**CONTROL CHECKED BY (III):**

J. Steinberg

**DATE:**

01-13-66

**RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):**

**DATE:**


**STEREOSCOPIC INSTRUMENT COMPILATION (III):**

**PLANIMETRY**

L. O. Neterer

Rev. By: K. G. Boyle

**DATE:**

11-20-66

11-20-66

**CONTOURS**

Inapplicable

**DATE:**


**MANUSCRIPT DELINEATED BY (III):**

L. O. Neterer

**DATE:**

11-29-66

**SCRIBING BY (III):**

B. Barge

**DATE:**

01-31-69

**PHOTOGRAHMERIC OFFICE REVIEW BY (III):**

**COMPILATION:** C.H. Bishop

**FIELD EDIT:** C.H. Bishop

**SCRIBING & STICKUP:** R. E. Smith

**DATE:**

02-27-67

02-03-69

**REMARKS:**

Field Edit by:

Ship DAVIDSON

June 1968
### DESCRIPTIVE REPORT - DATA RECORD

**T-12200**

#### PHOTOGRAPHS (III)

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<tr>
<th>NUMBER</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<tbody>
<tr>
<td>65 M 277</td>
<td>29 July 1965</td>
<td>09:45</td>
<td>1:50,000</td>
<td>(from predicted tides) 3.1 ft. below MLLW</td>
</tr>
<tr>
<td>61 W 9361-9364</td>
<td>16 July 1961</td>
<td>08:18</td>
<td>1:30,000</td>
<td>1.8 ft. above MLLW</td>
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#### TIDE (III)

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<tr>
<th>REFERENCE STATION:</th>
<th>Ketchikan</th>
</tr>
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<tr>
<td>SUBORDINATE STATION:</td>
<td>Port Camden</td>
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#### DIURNAL

<table>
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<tr>
<th>WASHINGTON OFFICE REVIEW BY (IV):</th>
<th>Leo F. Beugnet, AGC</th>
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<tr>
<td>PROOF EDIT BY (IV):</td>
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#### REMARKS:

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<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>Alongshore area for hydro</td>
<td>Nov. 1966</td>
<td>Superseded</td>
</tr>
<tr>
<td>Field edit applied</td>
<td>Jan. 1969</td>
<td>Superseded</td>
</tr>
<tr>
<td>Final Review</td>
<td>Dec. 1971</td>
<td>Superseded</td>
</tr>
<tr>
<td>Additional reviews; Addendum to Review Report</td>
<td>Jan. 1973</td>
<td></td>
</tr>
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</table>
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12200

Shoreline survey T-12200 is one of 53 similar surveys in project PH-6206. The primary purpose of the project was to provide modern shoreline and photo-hydro support data for hydrographic surveys in the Keku Strait area. See page 5 for the area covered by the project and the location of this survey within the project.

There was no field work prior to compilation with the exception of identification of horizontal control for aero-triangulation. The survey was field edited during the course of hydrography.

Compilation was at 1:10,000 scale by Wild B-8 methods using the photography of July 1961 and July 1965. Copies of the incomplete manuscript along with specially prepared photographs and ozalids were furnished for transfer of the shoreline to the boat sheet, photo-hydro support use and field edit.

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 5 minutes in longitude. After application of field edit data the survey was scribed and reproduced on cronaflex. Final review was in the Atlantic Marine Center in December 1971. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.
FIELD INSPECTION REPORT
T-12200
PROJECT PH-6206

There was no field inspection before compilation.
Photogrammetric Plot Report
Project PH-6206
Keku Straits, Alaska
November 1965

21. Area Covered

This report covers an area of Alaska in the upper portion of Keku Straits and its confluence with Frederick Sound.

22. Method

Analytic aerotriangulation methods were used to bridge four strips of "N" photography at the scale of 1:50,000. The attached sketch of strips bridged shows the amount and placement of triangulation furnished. Closures to control and to tie points have been tabulated.

23. Adequacy of Control

Horizontal control (pre-marked targets) identified and required to adjust the strips bridged was slightly above our minimum requirements. Two of the four strips were adjusted using only three stations and common tie points as a check to our bridging accuracy. The final results are well within the National Standards of Map Accuracy for the fourteen shoreline sheets to be compiled (T-12178, T-12179, T-12183 through T-12192, T-12196 and T-12197).

Control stations that were not used in our final adjustment follow: (1) CORN, 1925, this station is on the tip of a peninsula and so situated that it was impossible to set a model in which this station could have been of any value to our work; (2) KEKU, 1927, this target was not visible on either the film or the plates. It is our belief, based upon the published description, that the target might have washed away; (3) HAM, 1927, this station was used on Strip #2, however on Strip #3 the target was not visible because the layover of trees near the station obscured the target on one photograph.

24. Supplemental Data

Numerous U.S.G.S. quads were used to obtain elevations required for the final adjustment.
25. Photography

Photography was adequate with regard to coverage, overlap and image definition.

Respectfully submitted:

[Signature]
George M. Ball

Approved and forwarded:

[Signature]
Henry P. Eichert
Acting Chief, Aerotriangulation Section
CLOSURE TO CONTROL AND TIE POINTS
(Feet)

<table>
<thead>
<tr>
<th>STRIP #1</th>
<th>STRIP #3 cont.</th>
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<tbody>
<tr>
<td><strong>BENDIX, 1917</strong></td>
<td><strong>HAM, 1927</strong></td>
</tr>
<tr>
<td>(0.0  -0.1)</td>
<td>(-2.2  -0.9)</td>
</tr>
<tr>
<td><strong>KELF, 1965</strong></td>
<td><strong>AGE, 1927</strong></td>
</tr>
<tr>
<td>(-0.1  -0.1)</td>
<td>(+3.4  +3.1)</td>
</tr>
<tr>
<td><strong>PINT, 1965</strong></td>
<td><strong>AMY, 1927</strong></td>
</tr>
<tr>
<td>(-0.1  -0.1)</td>
<td>(-0.6  -0.9)</td>
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<table>
<thead>
<tr>
<th>STRIP #2</th>
<th>STRIP #4</th>
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<tr>
<td><strong>BENDIX, 1917</strong></td>
<td><strong>GNAW, 1965</strong></td>
</tr>
<tr>
<td>(+1.3  0.0)</td>
<td>(-0.1  0.0)</td>
</tr>
<tr>
<td><strong>CART, 1927</strong></td>
<td><strong>LOW, 1927</strong></td>
</tr>
<tr>
<td>(-2.0  -0.6)</td>
<td>(-0.1  0.0)</td>
</tr>
<tr>
<td><strong>KAKE, 1927</strong></td>
<td><strong>LUCK, 1927</strong></td>
</tr>
<tr>
<td>(-1.4  +0.1)</td>
<td>(-0.1  0.0)</td>
</tr>
<tr>
<td><strong>AMY, 1927</strong></td>
<td><strong>TIES TO STRIP #3</strong></td>
</tr>
<tr>
<td>(+1.3  +0.6)</td>
<td>74401 (+0.1  +0.2)</td>
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<tr>
<td><strong>S.S. (1927)</strong></td>
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<tr>
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<thead>
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<tr>
<td>08401 (-0.2  + 2.6)</td>
<td>74401 (+0.1  +0.2)</td>
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<tr>
<td>08402 (-0.9  +10.1)</td>
<td>74401 (+0.3  +0.6)</td>
</tr>
<tr>
<td>08402 (-0.9  +9.6)</td>
<td>75401 (+9.3  -6.2)</td>
</tr>
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<table>
<thead>
<tr>
<th>TIES TO STRIP #3</th>
<th>TIES TO STRIP #3</th>
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<tbody>
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<td>27401 (+6.7  +6.2)</td>
<td>76401 (+3.1  +3.2)</td>
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<tr>
<td>28401 (+2.0  +9.1)</td>
<td>76402 (+5.7  +5.4)</td>
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<td>29401 (+3.4  -2.4)</td>
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<tr>
<td>29401 (+5.5  -0.7)</td>
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<tr>
<td>29402 (+9.5  +6.0)</td>
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<tr>
<td>29403 (+8.2  +3.7)</td>
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<tr>
<td>33401 (+3.2  +0.4)</td>
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<td>33402 (+5.0  +5.4)</td>
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<table>
<thead>
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<tr>
<td><strong>ALTO, 1927</strong></td>
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<td>(-2.0  +0.5)</td>
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## DESCRIPTIVE REPORT CONTROL RECORD

**Map T.** 12200  | **Project No.** 6206  | **Scale of Map** 1:10,000  | **Scale Factor**

<table>
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<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR Y COORDINATE</th>
<th>DISTANCE FROM GRID OR PROJECTION LINE</th>
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<tbody>
<tr>
<td>LIND 1927</td>
<td>Vol. II p. 356</td>
<td>N.A. 1927</td>
<td>56 50 44.132°</td>
<td>1385.1° (490.8)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>133 52 03.065°</td>
<td>52.0° (965.1)</td>
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<td></td>
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<td>1 830 849.57°</td>
<td>849.6° (4 150.4)</td>
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<tr>
<td>&quot; &quot;</td>
<td>56133 p. 18</td>
<td>&quot; &quot;</td>
<td>2 645 433.18°</td>
<td>133.2° (4 566.8)</td>
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**Computed By:** CHB  | **Date:** 1-21-66  | **Checked By:** DLD  | **Date:** 02-04-66
31. **DELINEATION:**

Planimetry was compiled by Wild B-8 photography was satisfactory.

32. **CONTROL:**

See Photogrammetric Plot Report.

33. **SUPPLEMENTAL DATA:**

None

34. **CONTOURS AND DRAINAGE:**

Contours are inapplicable. Drainage was compiled from office interpretation of the photographs.

35. **SHORELINE AND ALONGSHORE FEATURES:**

Shoreline and alongshore features were compiled from office interpretation of the photographs. The mean lower low waterline was compiled from office interpretation of the photographs.

36. **OFFSHORE DETAIL:**

Offshore details were compiled from office interpretation of the photographs.
37. LANDMARKS AND AIDS:

Appropriate copies of Form 567 for Aids have been forwarded to the Washington Office. There are no landmarks.

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS:

Satisfactory junctions have been made with T-12193 to the north, T-12201 to the east, T-12204 to the south and T-12199 to the west.

40. HORIZONTAL AND VERTICAL:

No statement

46. COMPARISON WITH EXISTING MAPS:

Comparison has been made with U.S.G.S. quadrangle PETERSBURG (D-6), ALASKA, scale 1:63,360, dated 1948.
47. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Nautical Chart 8201, scale 1:217,828, 11th edition dated March 4, 1963, revised 07-20-64.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD:

None

Submitted by:

Lowell O. Neterer, Jr.
Cartographic Technician

Approved for forwarding:

Melvin J. Umbach, CDR, NOAA
Chief, Photogrammetry Division, AMC

Approved:

Alfred C. Holmes, RADM, NOAA
Director, Atlantic Marine Center
December 8, 1971

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6206 (Alaska)

T-12200

Dakaneek Bay
Keku Strait
Kupreanof Island
Pup Island
Salt Point

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

Prepared by:
Frank W. Fickett
Cartographic Technician
1. There was no field inspection prior to compilation; therefore, occasional measurements should be made from identifiable points on the photographs to the MHWL to verify compilation.

2. If there are landmarks or fixed aids to navigation within the area of this map, investigate and submit Form 567.

3. Give character of foreshore areas (sand, mud, etc.).

4. Foul, shoal, and reef areas and rocks shown on this manuscript were determined by office interpretation of aerial photographs of the area. Their existence and extent should be verified by the hydrographer. If a foul, shoal, or reef area or rock does not exist, this fact should be noted on the Field Edit Ozalid.

5. See Field Edit Ozalid for other notes.
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<tbody>
<tr>
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**Control Stations**

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<th>5. Horizontal Control Stations of Third-Order or Higher Accuracy</th>
<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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<td>XX</td>
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<td>Bridge (W.O.)</td>
<td>Wild B-8</td>
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**Alongshore Areas (Nautical Chart Data)**

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**Aids to Navigation**

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**Physical Features**

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**Cultural Features**

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**Boundaries**

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**Boundaries**

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<th>31. Boundary Lines</th>
<th>32. Public Land Lines</th>
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**Miscellaneous**

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<th>33. Geographic Names</th>
<th>34. Junctions</th>
<th>35. Legibility of the Manuscript</th>
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<tr>
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<td>CHB</td>
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**Reviewer**

| Charles H. Bishop | | Albert C. Rauck, Jr. |
|-------------------| |----------------------|
| C.H. Bishop       | 04-27-67      |                     |

**Supervisor, Review Section or Unit**

| | | |
| | | Albert C. Rauck, Jr. |

**Field Completion Additions and Corrections to the Manuscript**

<table>
<thead>
<tr>
<th>Compiler</th>
<th>Reviewer</th>
<th>Supervisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. J. Pate</td>
<td>C.H. Bishop</td>
<td>Albert C. Rauck, Jr.</td>
</tr>
<tr>
<td>01-11-69</td>
<td>01-17-69</td>
<td>01-17-69</td>
</tr>
</tbody>
</table>

**Field Edits**

- 65-M-277 & 276, 61-W-938
- Field Edit Ozalid
T-12200

FIELD EDIT REPORT

There were no field edit reports submitted with the field edit covering the 1966 to 1968 season's work, and no Form 567 was submitted to the compilation office by the field party.
REVIEW REPORT T-12200
SHORELINE
December 15, 1971

61. GENERAL STATEMENT

See Summary, which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with a copy of registered survey No. 4332, 1:20,000 scale, made in August and September 1927. That survey is now obsolete. It is superseded by T-12200.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with USGS PETERSBURG (D-6), ALASKA, 1:63,360 scale quadrangle, edition of 1951 with minor revisions made in 1963. The two surveys are in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a copy of boat sheet H-9041 (DA 10-5-68). The shoreline of the two surveys is in good agreement.

Attention is called to three rocks on the boat sheet at the following positions: latitude 56°49'07" longitude 133°52'50"; latitude 56°50'40"; longitude 133°51'31" and latitude 56°52'25" longitude 133°53'06". These rocks were placed on the boat sheet from the incomplete manuscript. They were found by neither the field editor or hydrographer.

Differences between the surveys have been indicated on the comparison print in purple.
65. **COMPARISON WITH NAUTICAL CHARTS**

A visual comparison was made with chart 8201, 16th edition, November 7, 1970. The two surveys are in good general agreement.

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

This survey was compiled from 1:50,000 scale photography. It is considered adequate for photo-hydro support and nautical chart construction purposes.

Reviewed by:

[Signature]
Leo F. Beugnet
Cartographer

Approved:

Melvin J. Umbach, CDR, NOAA
Chief, Photogrammetry Division, AMC

Approved:

Alfred C. Holmes, RADM, NOAA
Director, Atlantic Marine Center

Approved:

Chief, Photogrammetric Branch  Chief, Coastal Mapping Division
TO BE CHARTED

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

Charles H. Bishop

Allen L. Powell

Director, AMC

Chief of Party

<table>
<thead>
<tr>
<th>STATE</th>
<th>ALASKA</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
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<tbody>
<tr>
<td>Keku Strait</td>
<td>Salt Point Light</td>
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<table>
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<tr>
<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>56° 50'</td>
<td>131° 18'</td>
<td>133° 51'</td>
<td>54° 21'</td>
<td>N.A.</td>
<td>Photo T-12200</td>
</tr>
</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 redetermined, 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 individual field survey sheets. Information under each column heading should be given.

* Tabulate seconds and meters
ADDENDUM TO REVIEW REPORTS

T-12178, T-12179, AND T-12183 THROUGH T-12202

After Maps T-12178, T-12179, and T-12183 through T-12202 had been final reviewed and the reports written and signed, and the hydrographic surveys had been verified and reviewed, the Marine Chart Division requested additional review of the photogrammetric manuscripts to aid in resolving discrepancies between the hydrographic and photogrammetric surveys. Discrepancy prints of each T-sheet and verified copies of the hydrographic surveys were furnished to aid in this review. H-9041 Boat Sheet was used for T-12198 through T-12202, as a verified copy of this survey was not available to the reviewer.

Copies of the hydrographic surveys were used as aids to verify what could be seen on the photographs of the area; if a feature on the hydrographic survey was not positively identifiable on the photographs, it was not added to the T-sheet. This review resulted in the revision of several ledges, some mean high water line, and the addition of several rocks awash. The hydrographer's elevations were not added to the photogrammetric manuscripts.

Questions on the discrepancy prints were answered on separate ozalids and returned to the Marine Chart Division, along with a Chart Maintenance Print reflecting differences between the Advance Manuscript and the Final Reviewed Manuscript for each map.

Comparison prints bound with this report reflect differences with the verified hydrographic surveys, except T-12198 through T-12202, rather than the boat sheets. The sources for shoreline on the verified hydrographic surveys were copies of Advance Manuscripts; therefore, shoreline agreement is generally good.

Charles M. Bishop
Cartographer
January, 1973
NOTE

\textit{The photogrammetric location offshore from the mean high-water mark may not be complete or final.}

Reviewed hydrographic survey data should be consulted for final positions.

\textit{Rocken boat sheet from incomplete manuscript T-12200 not found by field editor. (Probably helpful)}
Submerged rock on H-9041
Probably from Incomplete
Manuscript T-12200
Not found by Field Editor

56°52'00"

58°51'30"

133°53'00"

KUPRE

T-12200
1/1/200