12210

FORM C&GS-504
U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE (Photogrammetric)

Field No. Office No. T-12210

LOCALITY

State ALASKA

General locality KEMI STRAIT

Locality HIGH ISLAND

1961-70

CHIEF OF PARTY
Alfred C. Holmes
Director, Atlantic Marine Center

LIBRARY & ARCHIVES

DATE
MAP NOT INSPECTED IN QUALITY CONTROL PRIOR TO REGISTRATION
# Descriptive Report - Data Record

**Project No. (iii):**

PH-6206

**Field Office (iii):**

**Chief of Party**

**Photogrammetric Office (iii):**

**Officer-in-Charge**

Atlantic Marine Center, Norfolk, VA. Alfred C. Holmes, Director

**Instructions Dated (iii):**

<table>
<thead>
<tr>
<th>Supplement</th>
<th>Date</th>
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<tbody>
<tr>
<td>Office Supplement III</td>
<td>December 19, 1967</td>
</tr>
<tr>
<td>Office Supplement IV</td>
<td>April 14, 1970</td>
</tr>
<tr>
<td>Field Instructions</td>
<td>February 11, 1969</td>
</tr>
<tr>
<td>Office Instructions</td>
<td>January 18, 1965</td>
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**Method of Compilation (iii):**

Wild B-8

**Manuscript Scale (iii):**

1:10,000

**Stereoscopic Plotting Instrument Scale (iii):**

1:20,000 Pantographed to 1:10,000

**Date Received in Washington Office (iv):**

**Date Reported to Nautical Chart Branch (iv):**

**Applied to Chart No.**

**Date: 5/4/1925**

**Date Registered (iv):**

**Geographic Datum (iii):**

NA 1927

**Reference Station (iii):**

Near 1927

**Latitude:** 56° 04' 16.069" (497.1m)

**Longitude:** 133° 43' 50.653" (861.9m)

**Adjusted**

**Plane Coordinates (iv):**

<table>
<thead>
<tr>
<th>y (ft)</th>
<th>x (ft)</th>
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</thead>
<tbody>
<tr>
<td>1,779,240.87</td>
<td>2,672,768.14</td>
</tr>
</tbody>
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**State:**

Alaska

**Zone:**

1

**Vertical Datum (iv):**

Mean High Water Exception as follows:

Elevations shown as (23) refer to mean high water.
Elevations shown as (3) refer to sounding datum.
I.e., Mean Lower Water or Mean Lower Low Water.

**Man numerals indicate whether the item is to be entered by (iii) field party, (iii) photogrammetric office, or (iv) Washington office.**

**When entering names of personnel on this record give the surname and initials, not initials only.**
### DESCRIPTIVE REPORT - DATA RECORD

**T-12210**

**FIELD INSPECTION BY (iii):**

NONE

**DATE:**

**MEAN HIGH WATER LOCATION (iii) [STATE DATE AND METHOD OF LOCATION]:**

AIR PHOTO COMPILATION

**DATE OF PHOTOGRAPHY:** August 5, 1969

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

**DATE**

J. Dempsey

April 10, 1970

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

**DATE**

E. Homick

April 10, 1970

**CONTROL PLOTTED BY (iii):**

**DATE**

Aerotriangulation - Coradomat

April 10, 1970

Triangulation - C. E. Blood

June 15, 1970

**CONTROL CHECKED BY (iii):**

**DATE**

Aerotriangulation - Coradomat

April 10, 1970

Triangulation - B. Wilson

June 15, 1970

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

**DATE**

Robert E. Fisher

February 19, 1970

**STEREOSCOPIC INSTRUMENT COMPILATION (iii):**

**PLANIMETRY**

L. O. Neterer, Jr.

May 19, 1970

A. L. Shands

May 19, 1970

**CONTOURS**

**DATE**

INAPPLICABLE

**MANUSCRIPT DELINEATED BY (iii):**

**DATE**

L. O. Neterer, Jr.

June 12, 1970

**SCRIBING BY (iii):**

**DATE**

H. Gann

Aug. 2, 1971

**PHOTOGRAMMETRIC OFFICE REVIEW BY (ii):**

**DATE**

Gregory L. Miller, ENS, NOAA

July 1970

**REMARKS:**

Field Edit By: Gregory L. Miller, ENS, NOAA
**PHOTOGRAPHS (III)**

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>DATE</th>
<th>TIME PST</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<tbody>
<tr>
<td>69 B(0) 963 and 964</td>
<td>5 Aug. 1969</td>
<td>12:02</td>
<td>1:40,000</td>
<td>5.3 feet</td>
</tr>
<tr>
<td>61 W 9424 and 9425</td>
<td>16 July 1961</td>
<td>09:02</td>
<td>1:20,000</td>
<td>1.2 feet</td>
</tr>
<tr>
<td>61 W 9618 thru 9620</td>
<td>16 July 1961</td>
<td>11:19</td>
<td>1:20,000</td>
<td>1.1 feet</td>
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</table>

**TIDE (III) (Predicted)**

<table>
<thead>
<tr>
<th>REFERENCE STATION:</th>
<th>Ketchikan, Alaska</th>
<th>RATIO OF RANGES</th>
<th>MEAN RANGE</th>
<th>RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>13.0</td>
<td>15.4</td>
<td></td>
</tr>
<tr>
<td>SUBORDINATE STATION:</td>
<td>The Summit, Keku Strait</td>
<td>13.2</td>
<td>15.7</td>
<td></td>
</tr>
</tbody>
</table>

**Atlantic Marine Center**

**REVIEW BY (IV): C. H. Bishop**

**DATE: March 1973**

**PROOF EDIT BY (IV):**

**DATE:**

**NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):**

<table>
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<th>RECOVERED</th>
<th>IDENTIFIED</th>
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</thead>
<tbody>
<tr>
<td>6</td>
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**NUMBER OF BM(S) SEARCHED FOR (II):**

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<th>IDENTIFIED</th>
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<tbody>
<tr>
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<td></td>
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**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):**

**NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):**

**REMARKS:**
<table>
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<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>Manuscript Complete Pending Field Edit</td>
<td>June 16, 1970</td>
<td>Superseded</td>
</tr>
<tr>
<td>Field Edit Applied</td>
<td>July 15, 1971</td>
<td>Superseded</td>
</tr>
<tr>
<td>Final Review</td>
<td>March 1973</td>
<td></td>
</tr>
</tbody>
</table>
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12210

This 1:10,000 scale shoreline manuscript is one of 53 maps that comprise Project PH-6206, Keel Strait, Alaska. The project diagram indicates the location of T-12210 in the project.

There was no field work prior to compilation, except the identification of horizontal control for aerotriangulation.

Only the area north of 56° 43' 07.5" was compiled on T-12210. The area south of that latitude was compiled at 1:5,000 scale on T-12813 and T-12814. Compilation was by Wild B-8 Plotter and graphic methods, using panchromatic photographs taken in 1961 and color photographs taken in 1969. Control was based on a stereoplanigraph bridge. Stable transparent copies of the map manuscript, ozalids, and specially prepared photographs were furnished for transfer of shoreline to the boat sheet, location of photohydro signals, and field edit.

Field edit was done in conjunction with hydrography in 1970. After application of field edit data to the map, it was scribed and reproduced on cronaflex.

Final review was done at the Atlantic Marine Center in March 1973.

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 5 minutes in longitude.

A cronaflex copy of the final reviewed manuscript and a negative have been forwarded for record and registry.
JOB PH-5206
T-12210

Field Inspection Report

There was no field inspection prior to compilation.
21. Area Covered

This project covers areas in the vicinity of Keku Strait - Kuliu Island, Alaska. T-sheets covered are as follows:

T-12203 thru T-12225
all T-sheets are at 1:10,000 scale

22. Method

Five strips were bridged to provide horizontal positions of pass points needed for compilation. Strip #12 was bridged in two parts, 12a and 12b, because of open water. Strip #14 was not bridged due to satisfactory pass point coverage from Strips 13, 15 and 16.

Strip #11 was bridged on the C-5. Strips 12a, 12b, 13, 15 and 16 were bridged on the C-8. All were adjusted by electronic computer.

Strip #11 used seven control points and a tie point in a third degree adjustment.

Strip #12a used a first degree adjustment with two control points. One tie point was available for a check.

Strip #12b used a third degree adjustment with five control points.

Strip #13 used three control points in a second degree adjustment.

Strips 15 and 16 used four control points in third degree adjustments.

All pass points, except one in Strip #16, were drilled.

Corresponding tie point values were averaged.

This project was tied through common control stations with the 1966 project in this area.
23. Adequacy of Control

Horizontal control was adequate in all strips. However station "SPIT 1927" and its subpoint appearing in both Strip #11 of this project and in Strip #1 of the adjacent "Sumner Strait" project had residual errors on the order of 15 feet in X. These errors were similar in direction and magnitude for both points and in both strips. The reason for not obtaining a better check with these points is not known.

Many control stations in this project were recovered in 1965 and pricked on 1964, 1:20,000 scale photography. The 1970 bridge was run with new 1:40,000 scale photography, therefore, much of the old control was not visible in these bridges. All 1969 identified control used in this project was targeted.

The RMS errors in fit to control for the 1969 identified control, (except "SPIT 1927") and including the 1965 identified control "ALL 1927" and "CEN 1927" were 2.5 feet in X and 1.2 feet in Y. The maximum errors were 6.8 feet in X and 3.3 feet in Y.

24. Supplemental Data

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

25. Photography

Photography was satisfactory with regards to coverage, overlap and definition.

Submitted by,
Robert E. Fisher
Cartographer (Photo)

Approved and forwarded,
Henry P. Eichert
Chief, Aerotriangulation Section
KEKU STRAIT ALASKA
PH 6206  FEB 1970
\(\triangle\) 1969 Identification
\(\triangle\) 1965 Identification

KEKU STRAIT

65M 277

T-12200

T-12201

T-12202

69E(c) 1957

69E(c) 1955

69E(c) 967

69E(c) 951

KUJU ISLAND

T-12203

T-12204

T-12205

T-12206

GULL 1927

TEEN 1927

STRIP # 16

MADAK RMI 1964

BETTE 1969

KUJU ISLAND

T-12207

T-12208

T-12209

T-12210

NOR 1927

H 1927

MAY 1927

KUPRENOF ISLAND

T-12211

T-12212

69E(c) 1949

69E(c) 1941

JUD 1968

CAM 1964

HAN 1927

PETE 1927

69E(c) 951
<table>
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<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>DATUM</th>
<th>LATITUDE OR Y COORDINATE</th>
<th>LONGITUDE OR X COORDINATE</th>
<th>DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 FT = 304800 MM/MT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HI 1927</td>
<td>G.P. VOL. 56133 P. 14</td>
<td>NA 1927</td>
<td>56 43 20.787</td>
<td>133 44 07.377</td>
<td>643.0 (1212.9)</td>
</tr>
<tr>
<td>NEAR 1927</td>
<td>G.P. VOL. 56133 P. 21</td>
<td></td>
<td>56 42 16.069</td>
<td>133 43 50.653</td>
<td>497.1 (1358.8)</td>
</tr>
<tr>
<td>AX, 1927</td>
<td>G.P. VOL. 56133 P. 2</td>
<td></td>
<td>56 44 23.092</td>
<td>133 43 31.598</td>
<td>714.3 (1141.6)</td>
</tr>
<tr>
<td>BEACON, 12 1927</td>
<td>G.P. VOL. 56133 P. 3</td>
<td></td>
<td>56 43 16.537</td>
<td>133 44 25.183</td>
<td>511.5 (1344.5)</td>
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<td>POZ 1927</td>
<td>G.P. VOL. 56133 P. 26</td>
<td></td>
<td>56 44 58.735</td>
<td>133 43 29.841</td>
<td>428.3 (592.2)</td>
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<td>TEST 2, 1927</td>
<td>G.P. VOL. 56133 P. 32</td>
<td></td>
<td>56 44 40.890</td>
<td>133 44 16.708</td>
<td>1264.8 (591.1)</td>
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<tr>
<td>TOM, 1927</td>
<td>G.P. VOL. 56133 P. 33</td>
<td></td>
<td>56 44 41.070</td>
<td>133 43 34.446</td>
<td>1270.0 (585.5)</td>
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<tr>
<td>STEEP 1927</td>
<td>G.P. 56133 P. 31</td>
<td></td>
<td>56 43 53.058</td>
<td>133 44 10.783</td>
<td>1641.2 (214.7)</td>
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31. **DELINEATION**

Delineation was by Wild B-8 Plotter. The MLLW was delineated by graphic methods. The area south of Lat. 56°43'07.5" was compiled at 1:5,000 scale on Maps T-12813 and T-12814.

32. **CONTROL**


33. **SUPPLEMENTAL DATA**

None

34. **CONTOURS AND DRAINAGE**

Contours are inapplicable. Drainage has been delineated from office interpretation of the photographs.

35. **SHORELINE AND ALONGSHORE DETAILS**

The MHW line was delineated from office interpretation of the 1969 color photographs.

The MLLW line from 133° 43' Longitude to the west side of Keku Strait was delineated from office interpretation of 1961 photographs taken at 1.2 ft. stage of tide. From 133° 43' Longitude to the east side was delineated from 1961 photographs taken at 1.1 ft. stage of tide.

36. **OFFSHORE DETAIL**

Offshore detail was compiled from office interpretation of the photographs.
37. **LANDMARKS AND AIDS**

Copies of Form 76-40 have been forwarded to the appropriate **divisions**.

38. **CONTROL FOR FUTURE SURVEYS**

None

39. **JUNCTIONS**

Junctions were made with 1:10,000 scale manuscripts, T-12206 to the north, and T-12209 to the west. There is no contemporary survey to the east.

Junctions were made with 1:5,000 scale manuscripts T-12815 and T-12816 to the south and T-12812 to the west.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No statement

41. **FIELD EDIT**

Field edit was adequate.

46. **COMPARISON WITH EXISTING MAPS**

A comparison has been made with U.S.G.S. Quadrangle Petersburg (C-6) Alaska, Scale 1:63,360, dated 1948.
47. **COMPARISON WITH NAUTICAL CHARTS**


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

None

**ITEMS TO BE CARRIED FORWARD**

None

Submitted:

Lowell O. Neterer, Jr.
Cartographic Technician
June 12, 1970

Approved for forwarding:

Melvin J. Umbach, CDR, NOAA
Chief, Photogrammetry Division
Atlantic Marine Center

Approved:

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

FINAL NAME SHEET

PH-6206 (Keku Strait, Alaska)

T-12210

High Island
Irish Creek
Keku Strait
Kuiu Island
Kupreanof Island
Rocky Pass

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

Prepared by:
Frank W. Pickert
Cartographic Technician
AK, 4-4-72
T-12210

49. NOTES FOR THE HYDROGRAPHER

None
### Form C&GS 1002

#### U.S. Department of Commerce

#### COAST AND GEODETIC SURVEY

### PHOTOGRAHMETRIC OFFICE REVIEW

**T. 12210**

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<tr>
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#### Control Stations

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<tr>
<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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<tbody>
<tr>
<td>LLG Pending Recovery</td>
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#### Bench Marks

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#### Alongshore Areas (Nautical Chart Data)

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<tr>
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<td>LLG from 1961 - 5+1.0 ft</td>
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#### Aids to Navigation

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#### Physical Features

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#### Stereoscopic Instrument Contours

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#### Cultural Features

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#### Boundaries

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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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#### Reviewer

<table>
<thead>
<tr>
<th>40. Reviewer</th>
<th>41. Remarks (See attached sheet)</th>
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<tbody>
<tr>
<td>L.L. Graves</td>
<td>June 18, 1970</td>
</tr>
</tbody>
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#### 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

<table>
<thead>
<tr>
<th>Compiler</th>
<th>Supervisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>L.O. Neterer, Jr.</td>
<td>SUPERVISOR</td>
</tr>
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#### Remarks

Field edit applied from Field Edit Ozalid and Photo 69 E(0) 964
FIELD EDIT REPORT
Keku Strait
Southeast Alaska
OPR-448

June - October 1970

INTRODUCTION
Field edit reports are attached for the following maps:

T-12205 (TP-00205)
T-12206 (TP-00206)
T-12209 (TP-00209)
T-12210
T-12216
T-12220
T-12224
T-12225

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 fixes with check angles. Fixes were plotted on boat sheets:

DA-10-4-70
DA-10-5-70
DA-10-6-70
DA-10-7-70

and then transferred to the T-sheets and ozalids for comparison.

Notes have been made in red on the field photographs and have been cross referenced on the Field Edit Ozalids by photograph number. All times are based on 105° West meridian. Individual reports by manuscripts are attached.

TIDE NOTES

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

Pup Island
High Island
Eagle Island
Monte Carlo Island

Manuscripts T-12201 and T-12202 were inspected. Since no field edit was requested by the compilers the inspection was to check the manuscript in general. The manuscripts agreed quite well with the field inspection.
FIELD EDIT REPORT  
MAP-T-12210  
Keku Strait  
Southeast Alaska  
July 1970

Field edit of Map T-12210 was done by Ens. Gregory L. Miller during July 1970. Inspection was done on foot and in a 12 foot whaler.

METHOD
Copies of the field edit ozalid and field photographs were taken into the field and the individual items in question were visited. Information on those items is listed on the ozalid and cross referenced to the photographs. Notes have been made in violet on the field photographs and have been cross referenced on the Field Edit Ozalid by photograph number. Notes on the ozalid have been made in blue. All times are based on 106° W meridian. Notes are on photograph 69E964.

ADEQUACY OF COMPILATION
Compilation of the map is good. Hydrographic location of boulders compares well to the photogrammetric location of same boulders.

Field inspection of this map is complete.

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

ATTACHMENTS
A copy of "Nonfloating Aids or Landmarks for Charts", form C&GS 567, is attached.

Respectfully submitted,

Warren K. Taguchi
Gregory L. Miller
ENS. NOAA
APPROVAL SHEET FOR FIELD EDIT

The field edit of the following manuscripts was accomplished under my supervision:

T-12205........TP-00205
T-12206........TP-00206
T-12209........TP-00207
T-12210
T-12216
T-12220
T-12224
T-12225

Inspection of the work was made.

[Signature]
Ray E. Moses
CDR, NOAA
Commanding Officer
NOAA Ship DAVIDSON
### Nonfloating Aids or Landmarks for Charts

**NOAA FORM 76-40**

U.S. DEPARTMENT OF COMMERCE—NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

**NONFLOATING AIDS OR LANDMARKS FOR CHARTS**

TO BE CHARTED

ORIGINATING LOCATION

NOAA SHIP DAVIDSON

DATE

June 19, 1970

The following objects have (have not) been inspected from seaward to determine their value as landmarks:

(See reverse for responsible personnel)

<table>
<thead>
<tr>
<th>JOB NUMBER</th>
<th>SURVEY NUMBER</th>
<th>DATUM</th>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>POSITION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>METHOD AND DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<td>PH- 6206</td>
<td>T - 12210</td>
<td>N.A. 1927</td>
<td>DAYBEACON 40</td>
<td>Keku Strait Daybeacon No. 40</td>
<td></td>
<td>16.57</td>
<td>133 44</td>
<td>25.00 Verified June 19, 1970</td>
<td>8272</td>
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<td>DAYBEACON 41</td>
<td>Keku Strait Daybeacon No. 41</td>
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<td>133 44</td>
<td>13.04 Verified June 19, 1970</td>
<td>8272</td>
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</table>

19
### Field Inspection

**Identification of Object**

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

<table>
<thead>
<tr>
<th>Type of Entries</th>
<th>Column Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Review Group and Final Review Activities</td>
<td>Quality Control and Review</td>
</tr>
<tr>
<td>Competent Person</td>
<td>Reviewer</td>
</tr>
<tr>
<td>Field Inspector</td>
<td>Field Editor</td>
</tr>
</tbody>
</table>

### Instructions for Method and Date of Location Section

- Field Positioning: Position is determined by field observations based entirely upon ground control.
- Photogrammetric Positions are dependent entirely on control provided by photogrammetric methods.

<table>
<thead>
<tr>
<th>Field Identification and Location Activity</th>
<th>Field Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field</td>
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<tr>
<td>Field Editor</td>
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<td>Field Inspector</td>
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<th>Name</th>
<th>Type of Action</th>
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<tr>
<td>Responsible Personnel</td>
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<td>Field Inspector</td>
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<tr>
<td>Responsible Personnel</td>
<td></td>
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</tbody>
</table>
REVIEW REPORT T-12210
SHORELINE
March 6, 1973

61. GENERAL STATEMENT

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with a copy of Survey No. 4341, 1:10,000 scale, dated September-October 1927. Significant differences between this survey and T-12210 are shown on the comparison print in blue. Survey No. 4341 is now obsolete for nautical chart construction purposes and the compared area is now superseded by T-12210.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with USGS Quadrangle PETERSBURG (C-6), scale 1:63,360, dated 1948. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a copy of the boat sheet for Survey H-9159, scale 1:10,000, dated 1970. Differences between this survey and T-12210 are shown in purple on the comparison print. There were no shoreline differences, as T-12210 was the base map for shoreline in the area compared. Much of the mean lower low water line was not in agreement. It was retained on T-12210 for whatever use it may be to the chart compiler.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 8272, scale 1:20,000, 4th Edition dated November 21, 1970. Shoreline differences between this chart and T-12210 were found to be the same as shoreline differences between T-4341 and T-12210. These differences are shown in blue on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with project instructions and the National Standards for Map Accuracy.
COMPARISON PRINT

Blue  = T-4341
Purple = H-9159