**DESCRIPTIVE REPORT**

**Type of Survey** Shoreline (Photogrammetric)

**Field No.** Office No. **T-12815**

**LOCALITY**

**State** Alaska

**General locality** Keku Strait

**Locality** Summit Island

**1961-1969**

**CHIEF OF PARTY**

Alfred C. Holmes, Director, A.M.C.

**LIBRARY & ARCHIVES**

**DATE**
DESCRIPTIVE REPORT - DATA RECORD

PROJECT NO. (III):

PH-6206

FIELD OFFICE (III): None

CHIEF OF PARTY

PHOTOGRAFMETRIC OFFICE (III):

Atlantic Marine Center, Norfolk, Va.

OFFICER-IN-CHARGE

Alfred C. Holmes, DIRECTOR

INSTRUCTIONS DATED (III) (IV):

OFFICE INSTRUCTIONS

" SUPPLEMENT III

" IV

FIELD INSTRUCTIONS

January 18, 1965
December 19, 1967
April 14, 1970
February 11, 1969

METHOD OF COMPILATION (III):

Wild B - 8 and Graphic

MANUSCRIPT SCALE (III):

1:5,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:7,500 Pantographed to 1:5,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

Sect. 4, 1975

GEOGRAPHIC DATUM (III):

N.A. 1927

REFERENCE STATION (III):

TEED 1927'

LAT.: 56° 39' 31.964'' (988.7m)  LONG.: 133° 43' 12.974'' (221.0m)

VERITCAL DATUM (III):

MEAN HIGH WATER

EXCEPT AS FOLLOWS:

Elevations shown as (5') refer to mean high water

Elevations shown as (8') refer to sounding datum

i.e., mean low water or mean lower low water

ADJUSTED

UNADJUSTED

PLANE COORDINATES (IV):

\[ y = 1,762,586.72 \text{ ft.} \]

\[ x = 2,674,858.45 \text{ ft.} \]

STATE

ALASKA

ZONE

1

MAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAFMETRIC 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-12815**

### Field Inspection by (III):

None

### Mean High Water Location (III) (State Date and Method of Location):

- **Air Photo Compilation**
- **Date of Photography:** June 16, 1964

### Projection and Grids Ruled by (IV):

- **L.E. Van Scoy**
  - **Date:** Sept. 20, 1967

### Projection and Grids Checked by (IV):

- **R. Glaser**
  - **Date:** Sept. 21, 1967

### Control Plotted by (III):

- **L.O. Neterer**
  - **Date:** Nov. 15, 1967

### Control Checked by (III):

- **B.L. Barge**
  - **Date:** Nov. 15, 1967

### Radial Plot or Stereoscopic Control Extension by (III):

- **W. Heinbaugh W.S.C.**
  - **Date:** Not Known

### Stereoscopic Instrument Compilation (III):

<table>
<thead>
<tr>
<th>Planimetry</th>
<th>Contours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>R.J. Minton</strong></td>
<td>Not Applicable</td>
</tr>
<tr>
<td><strong>Date:</strong> May 15, 1968</td>
<td><strong>Date:</strong></td>
</tr>
</tbody>
</table>

### Manuscript Delineated by (III):

- **R.J. Minton**
  - **Date:** June 25, 1968

### Scribing by (III):

- **F.P. Marquotta**
  - **Date:** Feb. 3, 1972

### Photogrammetric Office Review by (III):

- **L.L. Graves**
  - **Date:** 6/26/68

### Remarks:
### DESCRiptive Report - Data Record

**Tide Record:** T-12815

**Camera (Kind or Source) (III):**

- Wild BC-8 "W"

**Photographs (III):**

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-W(c)-1145thrull47</td>
<td>16 June 1964</td>
<td>10:44</td>
<td>1:15,000</td>
<td>5.2 FT. above MLLW</td>
</tr>
<tr>
<td>61 W 9428</td>
<td>16 July 1961</td>
<td>09:02</td>
<td>1:20,000</td>
<td>1.1 FT. above MLLW</td>
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</tbody>
</table>

**Predicted Tide (III):**

<table>
<thead>
<tr>
<th>Reference Station</th>
<th>Diurnal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ketchikan, Alaska</td>
<td></td>
</tr>
</tbody>
</table>

**Subordinate Station:**

- The Summit, Keku Strait

**Washington Office Review by (IV):**

**Proof Edit by (IV):**

**Number of Triangulation Stations Searched For (II):**

- Recovered: 2
- Identified: 2

**Number of BM(5) Searched For (II):**

- None
- Recovered: None
- Identified: None

**Number of Recoverable Photo Stations Established (III):**

- None

**Number of Temporary Photo Hydro Stations Established (III):**

- None

**Remarks:**

-
<table>
<thead>
<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compilation Complete</td>
<td>June 25, 1968</td>
<td>Superseded</td>
</tr>
<tr>
<td>Pending field edit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Field edit applied;</td>
<td>Dec. 12, 1969</td>
<td></td>
</tr>
<tr>
<td>Final Review</td>
<td>Aug. 1972</td>
<td></td>
</tr>
</tbody>
</table>
SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-12815

This 1:5,000 scale shoreline manuscript is one of 53 maps that comprise Project PH-6206, Keku Strait, Alaska. The project diagram on page 5 indicates the location of T-12815 in the project.

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

Compilation was by Wild B-8 Plotter and graphic methods, using panchromatic photographs taken in 1961 and color photographs taken in 1964. 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 photo-hydro signals, and field edit.

Field edit was done in conjunction with hydrography in 1969. 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 August 1972.

The compilation manuscript was a vinylite sheet 1 minute 52.5 seconds in latitude by 3 minutes 25 seconds in longitude.

A cronaflex copy of the final reviewed manuscript and a negative have been forwarded for record and registry.
FIELD INSPECTION REPORT

Project PH-6206

T-12815

There was no field inspection prior to compilation.
AEROTRIANGULATION REPORT
Keku Straits, Alaska
Job PH-6206

21. Area Covered
This report pertains to that portion of Keku Straits between 56° 33' 45" and 56° 45' 00".

22. Method
Two strips of photography were bridged using stereoplani-
graph and emulsion-drilled diapositives. Measurements made
by the stereoscopic instruments were adjusted using 1620 IEM
programs.

23. Adequacy of Control
Number and location of field-identified horizontal control
stations were adequate to control the bridges with sufficient
accuracy to comply with National Standards of Map Accuracy.
Station 10 1927 did not hold in the adjustment but closer in-
vestigation revealed that an apparent transposition of dis-
tances to the substitute stations had occurred. After re-
computing the positions all control held satisfactorily.

24. Supplemental Data
U.S.G.S. quadrangles, Petersburg (C-5 and C-6), Alaska,
scale 1:63,360, 1948 edition, were used to determine eleva-
tions to provide vertical control where required.

25. Photography
Photography was adequate for coverage, definition and enlap.

Respectfully submitted:

[Signature]
W. Heinbaugh

Approved by:

[Signature]
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>LATITUDE OR Y COORDINATE</th>
<th>LONGITUDE OR X COORDINATE</th>
<th>DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL, 1927</td>
<td>G.P. Vol 2 P. 359</td>
<td>(56^\circ 40' 40.147'')</td>
<td>(133^\circ 44' 33.763'')</td>
<td>1241.8 (614.1)</td>
</tr>
<tr>
<td>TEED, 1927</td>
<td>G.P. Vol 2 P. 360</td>
<td>(56^\circ 39' 31.964'')</td>
<td>(133^\circ 43' 12.974'')</td>
<td>988.7 (867.2)</td>
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<tr>
<td>OVER 1927</td>
<td>Vol 2 P. 359</td>
<td>(56 41 14.434)</td>
<td>(133 45 13.542)</td>
<td>446.5 (1409.4)</td>
</tr>
<tr>
<td>YOU 1927</td>
<td>Vol 2 P. 360</td>
<td>(56 39 54.251)</td>
<td>(133 43 45.165)</td>
<td>1678.1 (177.8)</td>
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<tr>
<td>ARE 1927</td>
<td>Vol 2 P. 360</td>
<td>(56 40 09.353)</td>
<td>(133 43 24.661)</td>
<td>289.3 (1566.6)</td>
</tr>
</tbody>
</table>
COMPILATION REPORT

T-12815

31. Delineation

The Wild B-8 was used. The hiatus between the two bridging strips of 1964 W color photography was compiled from 1961 Panchromatic photographs. By using pass points common to the different sets of photography the small area was compiled graphically.

32. Control

See AEROTRIANGULATION REPORT, not dated.

33. Supplemental Data

None

34. Contours and Drainage

Contours are inapplicable.

Drainage was delineated from office interpretation of the photographs.

35. Shoreline and Alongshore Detail

The mean high water line was delineated from office interpretation of the 1964 color photography. The approximate mean lower low water line was compiled graphically using photographs taken in 1961 at a predicted tide stage of 0.9 feet above mean lower low water.

36. Offshore Details

Offshore details were delineated from office interpretation of the photographs.

37. Landmarks and Aids

Copies of Form 567 have been forwarded.
38. CONTROL FOR FUTURE SURVEYS
   None

39. JUNCTIONS
   A satisfactory junction was made with T-12812 and T-12813 to the north; T-12816 to the east and T-12817 to the south. There is no contemporary survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY
   No statement

46. COMPARISON WITH EXISTING MAPS
   A comparison was made with USGS Quadrangle, PETERSBURG (C-6), scale 1:63,360, dated 1948.

47. COMPARISON WITH NAUTICAL CHARTS
   A comparison was made with chart 8272, Keku Strait, Scale 1:20,000, inset 1:10,000, 2nd Edition dated Nov. 14, 1960, Revised March 18, 1963.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY
   None

ITEMS TO BE CARRIED FORWARD
   None

Submitted:
L. L. Graves
Cartographic Technician
June 26, 1968

Approved for forwarding:
Kelvin J. Umbach, CDR, NOAA
Chief, Coastal Mapping Division, AMC

Approved and Forwarded:
Alfred C. Holmes, RADM, NOAA
Director, Atlantic Marine Center
GEOGRAPHIC NAMES
FINAL NAME SHEET

PH-6206 (Keku Strait, Alaska)
T-12815

Keku Strait
Kuiu Island
Kupreanof Island
Rocky Pass
Summit Island
The Summit

Approved by: 
A. Joseph Wrait
Chief Geographer

Prepared by: 
Frank W. Pickett
Cartographic Technician
49. NOTES FOR THE HYDROGRAPHER:

None
## Photogrammetric Office Review

**T-12815**

<table>
<thead>
<tr>
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<tr>
<td>L.L.G.</td>
<td>L.L.G.</td>
<td>L.L.G.</td>
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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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<td>L.L.G.</td>
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### Bench Marks

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<tr>
<td>X</td>
<td>X</td>
<td>Bridge-W.O.</td>
<td>L.L.G.</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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### Stereoscopic Instrument Contours

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<tbody>
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### Cultural Features

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### Boundaries

<table>
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<tr>
<th>31. Boundary Lines</th>
<th>32. Public Land Lines</th>
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<tbody>
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### Miscellaneous

<table>
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<tr>
<th>33. Geographic Names</th>
<th>34. Junctions</th>
<th>35. Legibility of the Manuscript</th>
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</thead>
<tbody>
<tr>
<td>C.H.B.</td>
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<td>C.H.B.</td>
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### Reviewer

<table>
<thead>
<tr>
<th>L.L. Graves</th>
<th>6/26/69</th>
<th>Albert C. Rauck, Jr.</th>
</tr>
</thead>
</table>

### Remarks (See attached sheet)

**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.

<table>
<thead>
<tr>
<th>Compiler</th>
<th>Supervisor, Review Section or Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.H. Bishop</td>
<td>12/12/69</td>
</tr>
</tbody>
</table>

### Remarks

Field edit applied from: Field Edit Ozalid, Film ozalid (shoreline), Field Photos 64 W 1145 through 1147, 64 W 1165 and 1166.
FIELD EDIT REPORTS

Keku Strait
Southeast Alaska
OPR-448

MAPS
T-12812
T-12813
T-12814
T-12815
T-12816
T-12817
T-12818
T-12819
T-12820

June-August 1969
FIELD EDIT REPORTS
Keku Strait
Southeast Alaska
OPR-448
June-August 1969

INTRODUCTION

Field edit reports are attached for the following maps:

T-12812  T-12817
T-12813  T-12818
T-12814  T-12819
T-12815  T-12820
T-12816

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-5-2-69
DA-5-3-69
DA-5-4-69
DA-5-5-69

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

Notes have been made in violet 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.

Generally compilation of the maps is good. It is recommended that the maps be revised in accordance with the notes on the photographs and that the maps, with the exceptions of T-12813, T-12815, and T-12818, be accepted as advance manuscripts. Maps T-12813, T-12815, and T-12818 should be compiled using the recent photographs. It is recommended that the compiler obtain copies of the above boat sheets and use them in compiling the advance manuscripts.

Field inspection of these maps is complete except for map T-12820.

Copies of "Nonfloating Aids or Landmarks for Charts", form C&GS 567, are attached.
FIELD EDIT REPORT  
MAP T-12815  
Keku Strait  
Southeast Alaska  
OPR-448  
June-July 1969

Field edit of map T-12815 was done by LT(jg) Glenn Endrud and LT(jg) Bruce Fisher between 24 June and 24 July 1969. Inspection was done on foot and in a 12-foot whaler.

METHOD

Field photographs and a copy of the field edit ozalid were taken into the field. The mean high water line was verified by visual inspection of the shoreline and ozalid 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-5-3-69 & DA-5-4-69 and then transferred to the T-sheet and ozalid for comparison.

Notes have been made in violet on the field photographs and have been cross-referenced on the “Field Edit Ozalid” by photograph number. All times are based on 105° West meridian. Notes are on the following photographs:

64W11145  64W11165  
64W11146  64W11166  
664W11147

ADEQUACY OF COMPILATION

Generally compilation of this map is good. Hydrographic location of isolated boulders compares well, especially at the south end of Summit Island, with the photogrammetric location of the same boulders. In the center portions of this map there is no side lap of photographs and, in some areas, there is no photo coverage.

Shoreline which is obscured by trees on the photographs was verified with three-point fixes and plotted on boat sheet DA-5-3-69. The resulting shoreline has been traced on to the T-sheet and pricked on to the field edit ozalid. It is felt that this shoreline cannot be accurately drawn on the field photograph.

Indicated marsh areas are covered with grass, however, they are not spongy. These areas would be better described as grass areas.

Field inspection of this map is complete.
RECOMMENDATIONS

It is recommended that the compilation in The Summit be checked before accepting the map as an advance manuscript. The recent photographs might give better photo coverage and side lap in The Summit.

ATTACHMENTS

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

Respectfully submitted

Bruce W. Fisher
Bruce W. Fisher
LIJG USESSA
APPROVAL SHEET
for
FIELD EDIT
Keku Strait
Southeast Alaska
CPR-448
June-August 1969

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

- T-12812  T-12817
- T-12813  T-12818
- T-12814  T-12819
- T-12815  T-12820
- T-12816

Frequent inspections of the field edit work and of plotted comparisons on the boat sheets were made.

[Signature]
Ray E. Moses
CDR, USESSA
Commanding Officer
USC&GSS DAVIDSON
NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Keku Strait, Southeast Alaska

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on (deleted from) the charts indicated.

The positions given have been checked after listing by Glenn H. Endrud, LTJG USESSA

<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>R &quot;30&quot;</td>
<td>Daybeacon #30 (red)</td>
<td>317</td>
<td>56 41</td>
<td>04° 9'</td>
<td>133 43</td>
<td>56 7'</td>
</tr>
<tr>
<td>W &quot;29&quot;</td>
<td>Daybeacon #29 (white)</td>
<td>339</td>
<td>56 40</td>
<td>53 2'</td>
<td>133 43</td>
<td>54 1'</td>
</tr>
<tr>
<td>R &quot;28&quot;</td>
<td>Daybeacon #28 (red)</td>
<td>322</td>
<td>56 40</td>
<td>38 5'</td>
<td>133 43</td>
<td>46 8'</td>
</tr>
<tr>
<td>R &quot;26&quot;</td>
<td>Daybeacon #26 (red)</td>
<td>324</td>
<td>56 40</td>
<td>17 3'</td>
<td>133 43</td>
<td>54 1'</td>
</tr>
<tr>
<td>W &quot;25&quot;</td>
<td>Daybeacon #25 (white)</td>
<td>325</td>
<td>56 40</td>
<td>17 4'</td>
<td>133 44</td>
<td>06 5'</td>
</tr>
<tr>
<td>R &quot;24&quot;</td>
<td>Daybeacon #24 (red)</td>
<td>327</td>
<td>56 40</td>
<td>03 5'</td>
<td>133 43</td>
<td>46 3'</td>
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<tr>
<td>W &quot;23&quot;</td>
<td>Daybeacon #23 (white)</td>
<td>419</td>
<td>56 39</td>
<td>31 9'</td>
<td>133 43</td>
<td>13 1'</td>
</tr>
</tbody>
</table>

The position of each aid listed on this form is in agreement with the corresponding position on Map Manuscript T-12815.

As there are no other fixed aids or landmarks in this area, this form was not duplicated by the Photogrammetric Branch, Atlantic Marine Center.

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
REVIEW REPORT T-12815
SHORELINE
September 6, 1972

61. **GENERAL STATEMENT:**

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

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

North of Lat. 56°40', a comparison was made with Survey No. 4341, scale 1:10,000, dated September-October 1927. The area south of Lat. 56°40' was compared with Survey No. 4331, scale 1:10,000, dated August-September 1927. The shoreline on these old surveys is identical with shoreline on Chart 8272, 4th edition, dated Nov. 21, 1970. Any shoreline difference between Chart 8272 and T-12815 will also exist between the old surveys and T-12815.

Differences between the registered topographic surveys and T-12815 are shown on the comparison print in blue.

Surveys T-4341 and T-4331 are now obsolete and the compared area is superseded by T-12815 for nautical chart construction purposes.

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

A visual comparison was made with U.S.G.S. Quadrangle PETERSBURG (C-6), ALASKA, scale 1:63,360, dated 1948. Significant differences between this quadrangle and T-12815 are shown in brown on the comparison print.

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

A comparison was made with copies of machine printed Boat Sheet H-9079 (DA 5-3-69) scale 1:5,000, dated 1969 and Boat Sheet H-9080 (DA 5-4-69), scale 1:5,000, dated 1969. Significant differences between the compared areas of these boat sheets and T-12815 are shown in purple on the comparison print.

The source of shoreline for the area compared was a copy of the incomplete manuscript for T-12815. Shoreline is in agreement.
The mean lower low water line is not in complete agreement. The photogrammetric location of this feature has been labeled approximate and retained on the map for whatever use it may be to the nautical chart compiler. Preference should be given to the hydrographic location of the MLLW.

Ledge limits are not in complete agreement. Ledges on T-12815 are mapped as they were interpreted from the compilation photographs and corrected by the field editor.

65. **COMPARISON WITH NAUTICAL CHARTS:**

Comparison was made with Chart 8272, scale 1:20,000, 4th edition, dated November 21, 1970. Significant differences, other than mean high water line, are shown in red on the comparison print. Mean high water line differences between Chart 8272 and T-12815 are the same as differences between registered topographic surveys and T-12815, and are shown in blue on the comparison print. See Item 62.

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

This survey complies with Project Instructions and meets the National Standards for Map Accuracy.

Special attention is called to fixed aids to navigation within the limits of this survey. They were plotted from positions on Form 567, which is page 20 of this report.

Reviewed by:

Charles H. Bishop
Cartographer
March 6, 1972

Approved for forwarding:

Melvin J. Umberg, CDR, NOAA
Chief, Coastal Mapping Division, AMC

Approved:

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

Chief, Photogrammetric Branch   Chief, Coastal Mapping Division
KUPREANOF ISLAND

Approx
Awash MHW

Rocky
Sand and gravel

41°00'" 
40°45''

y=1,772,000 FT.

y=1,770,000 FT.

COMPARISON PRINT
Blue = T-4341
Brown = U.S.G.S.

T-12815
1:5,000
COMPARISON PRINT

Blue = T-4341
Purple = H-5079
NOTE:
"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary reviewed hydrographic survey of the area where available, should be consulted for the final delineation.

COMPARISON PRINT
Blue = T-4341 & T-4331
COMPARISON PRINT
Blue = T-4331

LEGEND

△ Recoverable horizontal control station of third-order or higher accuracy
○ Recoverable horizontal control station of less than third-order accuracy

Approximate mean low-water line
The light shoreline defines the outer limits of vegetation visible above approximate mean high water.
The heavy shoreline defines the approximate mean high water

Compiled by photogrammetric methods, from aerial photographs

Date of Photography June 1964
Date of Field Inspection None
Date of Field Edit June, July 1969
Date of Final Compilation Feb. 1972
Date of Final Review Aug. 1972

T-12815
1:5,000