**DESCRIPTIVE REPORT**

**Type of Survey**: Shoreline (Photogrammetric)

**Job No.**: PH-6306  
**Map No.**: T-13329

**Classification No.**  
**Edition No.**

**LOCALITY**

**State**: Alaska

**General Locality**: Hoonah Sound & Peril Strait

**Locality**: Point Craven

---

1967 TO 19

Alfred C. Holmes, Director, AMC

**REGISTRY IN ARCHIVES**

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

**T-13329**

**PROJECT NO.:** PH-6306

**FIELD OFFICE:** None

**PHOTOMGRAMMETRIC OFFICE:** Atlantic Marine Center, Norfolk, VA

**CHIEF OF PARTY:**

**OFFICER-IN-CHARGE:** Alfred C. Holmes, Director, AMC

**INSTRUCTIONS DATED:**
- Sept. 17, 1968
- SUPPLEMENT I - Dec. 1969
- AMENDMENT I - Mar. 26, 1970

**METHOD OF COMPIATION:** Wild B-8 Stereo-Plotter

**MANUSCRIPT SCALE:** 1:10,000

**STEREOSCOPIC PLOTTING INSTRUMENT SCALE:** 1:15,000 Pantographed To 1:10,000

**DATE RECEIVED IN WASHINGTON OFFICE:**

**DATE REPORTED TO NAUTICAL CHART BRANCH:**

**APPLIED TO CHART NO.:**

**DATE:**

**DATE REGISTERED:** Mar. 3, 1975

**GEOGRAPHIC DATUM:** N.A. 1927

**REFERENCE STATION:** Craven, 1895

**LAT.:** 57°27'49.245" (1523.4M)

**LONG.:** 134°51'52.556" (876.2M)

**ADJUSTED**

**VERTICAL DATUM:**

**HIGH WATER:**

Elevations shown as (2) refer to mean high water
Elevations shown as (3) refer to sounding datum
I.e. mean lower low water

**STATE:** Alaska

**ZONE:** 1

**PLAN COORDINATES:**

\[ y = 2,058,671.13 \text{ Ft.} \]

\[ x = 2,449,798.64 \text{ Ft.} \]
### Descriptive Report - Data Record

#### T-13329

**Field Inspection by (III):**

None

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

Air Photo Compilation - June 3, 8, 17, 1967

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

Coradomat

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

Coradomat

**Control Plotted by (III):**

Aerotriangulation - Coradomat

**Control Checked by (III):**

Aerotriangulation - Coradomat

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

I. I. Saperstein

Nov. 1969

**Stereoscopic Instrument Compilation (III):**

Planimetry By: R. White

Reviewed By: C. Bishop

Mar. 20, 1970

**Contours:**

Inapplicable

**Manuscript Delineated by (III):**

R. R. White

March 20, 1970

**Scribing by (III):**

W. Gilbert

June 12, 1972

**Photogrammetric Office Review by (III):**

Compilation: C. Bishop

Field Edit: ACR, RES, VES

Scribing and Stick Up:

Mar. 25, 1970

April 27, 1970

**Remarks:**

Field Edit By: A. F. Divis

April 1970
**DESCRIPTIVE REPORT - DATA RECORD**

**T-13329**

**MERA (KIND OR SOURCE) (III):**

Wild RC-8 "L" & "M"

**PHOTOGRAPHS (III):**

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<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<td>June 8, 1967</td>
<td>10:02</td>
<td>1:30,000</td>
<td>1 ft. above MLLW</td>
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<td>67-L-(c)-3407-3409</td>
<td>June 17, 67</td>
<td>14:36</td>
<td>1:30,000</td>
<td>2.9 ft. above MLLW</td>
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<td>67-L-(c)-3312-3313*</td>
<td>June 8, 1967</td>
<td>11:02</td>
<td>1:30,000</td>
<td>4.4 ft. above MLLW</td>
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* Plates Only.

**PREDICTED TIDE (III):**

**Diurnal**

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<th>RATIO OF RANGE</th>
<th>MEAN RANGE</th>
<th>RANGE</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>13.8'</td>
<td></td>
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**SUBORDINATE STATION: Fairway Island, Alaska**

**WASHINGTON OFFICE REVIEW BY (IV): Bernard Kurs, AMC**

**DATE:** May 1973

**PROOF EDIT BY (IV):**

**DATE:**

**NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):** 1

**RECOVERED:** 1

**IDENTIFIED:**

**NUMBER OF BM(S) SEARCHED FOR (III):** 0

**RECOVERED:** 0

**IDENTIFIED:**

**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):** None

**NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):** None

**REMARKS:**
### T-13329

<table>
<thead>
<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>Compilation Complete</td>
<td>Mar. 20, 1970</td>
<td>Superseded</td>
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<tr>
<td>Pending Field Edit</td>
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<tr>
<td>Field Edit Applied</td>
<td>Aug. 26, 1970</td>
<td>Superseded</td>
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<tr>
<td>Compilation Complete</td>
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<tr>
<td>Final Review</td>
<td>May 1973</td>
<td></td>
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SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT

T-13329

Shoreline survey T-13329 is part of project PH-6306. The project is located in southeastern Alaska in the Hoonah Sound-Peril Straits area. This survey covers the mouth of Sitkoh Bay and then proceeds northward along Chatham Strait to include Peninsulas Point.

There was no field work preceding the "Incomplete" manuscript.

Compilation was at 1:10,000 scale by B-8 plotter supplemented by graphic work at the northeast portion of the sheet. A copy of the "Incomplete" manuscript, along with ozalids and specially prepared photographs was furnished for the preparation of the boat sheet, location of photo-hydro signals and field edit use.

Field edit was accomplished during April, 1970. After field edit was applied, the manuscript was scribed, stuck-up and reproduced on cronaflex. Final review was at AMC during May, 1973. One cronaflex and negative are being forwarded for record and registry.
FIELD INSPECTION REPORT

T-13329

There was no field inspection prior to compilation.
Photogrammetric Plot Report (Part II)
Job PH-6306
Hoonah Sound and Peril Strait, Alaska

November 1969

21. Area Covered

This report covers Hoonah Sound, Alaska, by the following eight (8) 1:10,000 scale shoreline T-sheets: T-13324 thru T-13331; three (3) 1:20,000 scale shoreline T-sheets: T-11940 thru T-11942 and by one (1) 1:40,000 scale sheet for chart topography T-11939 with 1:20,000 scale inset. (See Report Part I, October 1968 for strips previously bridged and sheets covered).

22. Method

Ten (10) strips were bridged using analytical aerotriangulation methods. Strips 1, 2, 3, 10, 11 and 13 are 1:60,000 scale panchromatic and strips 8, 9, 12 and 14 are 1:30,000 scale color.

Numerous tie points were located to control several of the strips due to the sparseness of horizontal control.

The attached sketch shows the strips bridged and the placement of triangulation used in the final strip adjustments.

Positions for all bridge points are shown for each strip on the IBM readout on the Alaska Zone 1 state plane coordinate system.

23. Adequacy of Control

All horizontal control was premarked. Together with tie points, it was adequate to control the various strips.

Horizontal point COVE, 1952 could not be positively identified and was not used. Horizontal point HOOF 2, 1925 was held on Strip 3 but because of tree overhang could not be used on Strip 1.
24. **Supplemental Data**

Vertical control needed for the adjustment was taken from USGS quadrangles.

25. **Photography**

The definition and quality of the RC-9 "M" panchromatic and RC-8 "L" color photography were good. Coverage is adequate to compile all sheets by either the 1:60,000 or 1:30,000 scale photography.

Respectfully submitted,

[Signature]

I. I. Saperstein

Approved and forwarded,

[Signature]

Henry P. Eichert
Chief, Aerotriangulation Section
Notes to Compiler

In order to compile the 1:10,000 scale sheets in Peril Strait, Rodman Bay and Saook Bay, it may be necessary to do so from the 1:30,000 scale photography. If so, order 1:30,000 color plates and contact photographs where necessary to locate compilation points from the 1:60,000 scale bridging photography. (See photo layout for plates required). All ratio prints should be ordered by the compilation office.

Bridge points will be plotted in Rockville by the Coradi on all sheets except T-11939.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</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 = 304.8000 METERS)</th>
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<tr>
<td>CRAVEN, 1895</td>
<td>57134 Page 2</td>
<td>N.A. 1927</td>
<td>(57^\circ 27'49.245'')</td>
<td>(134^\circ 51' 52.556'')</td>
<td>1523.4  (332.7)</td>
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<tr>
<td>QUEEN, 1894-1925</td>
<td>G.P. Vol. 1 Page 328</td>
<td>&quot;</td>
<td>(57^\circ 28' 37.915'')</td>
<td>(134^\circ 49' 37.152'')</td>
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<tr>
<td>NICE, 1894-1925</td>
<td>Vol. 1 Page 327</td>
<td>&quot;</td>
<td>(57^\circ 30' 32.616'')</td>
<td>(134^\circ 49' 44.761'')</td>
<td>1009.0  (247.2)</td>
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COMPUTED BY         DATE        CHECKED BY        DATE
Jerry Hinton       Jan. 2, 1970    CHB               3/21/70
COMPILATION REPORT
T-13329

31. **DELINEATION**

Except for a small area in the North-East corner of the sheet that was compiled graphically, all features were compiled using the Wild B-8 stereoplotter. Compilation was made difficult in some areas due to glare on the water.

There was no field inspection.

32. **CONTROL**


33. **SUPPLEMENTAL DATA**

None

34. **CONTOURS AND DRAINAGE**

Contours are inapplicable.

The streams were compiled using the Wild B-8 and office interpretation of the photographs.

35. **SHORELINE AND ALONGSHORE DETAILS**

The mean high water line was compiled using the Wild B-8 and office interpretation of the photographs. Determination of the mean high waterline along the Eastern Shore of Peninsula Point was doubtful because of tree overhang.

An approximate mean lower low water line was compiled from office interpretation of the photographs. Because of glare on the water, compilation was very difficult around the tip of Point Hayes. The field editor will be asked to check this area thoroughly.

36. **OFFSHORE DETAILS**

See paragraph 35. Because of the glare, the compiler could not distinguish between ledge and kelp areas.
37. **LANDMARKS AND AIDS**

Form 567 for one non-floating aid was submitted to Rockville on September 16, 1970.

38. **CONTROL FOR FUTURE SURVEYS**

None

39. **JUNCTIONS**

A satisfactory junction was made with T-13328, scale 1:10,000 to the west-north of Latitude 57°29'30".

A satisfactory junction was made with T-11942 scale 1:30,000 south of Latitude 57°29'30". There is no contemporary survey to the north, and to the east-north of Latitude 57°29'30".

40. **HORIZONTAL AND VERTICAL ACCURACY**

No statement.

41-45. Inapplicable.

46. **COMPARISON WITH EXISTING MAPS**

A comparison was made with USGS Quadrangle SITKA (B-3), Alaska scale 1:63,360, dated 1951; and with SITKA (C-3), Alaska, scale 1:63,360 dated 1948.

47. **COMPARISON WITH NAUTICAL CHARTS**

A comparison was made with Chart 8283 Peril Strait, Hoonah Sound to Chatham Strait, scale 1:40,000, 5th Edition, dated May 12, 1969.

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

None

**ITEMS TO BE CARRIED FORWARD:**

None
Submitted:

Richard R. White

RICHARD R. WHITE
Cartographic Technician
March 21, 1970

Approved for forwarding:

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

Approved:

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

FINAL NAME SHEET

PH-6303 (Alaska)

T-13329

- Chatham Strait
- Chichagof Strait
- Florence Bay
- Morris Reef
- Peninsular Point
- Peril Strait
- Point Craven
- Point Hayes
- Sitkoh Bay

Approved by: A. Joseph Wraight
Chief Geographer

Prepared by: Frank W. Pickett
Cartographic Technician
T-13329

49. **NOTES FOR THE HYDROGRAPHER**

NONE
## PHOTOGRAHMETRIC OFFICE REVIEW
### T-13329

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<th>4. MANUSCRIPT SIZE</th>
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### CONTROL STATIONS

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

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<th>12. SHORELINE</th>
<th>13. LOW-WATER LINE</th>
<th>14. ROCKS, SHOALS, ETC.</th>
<th>15. BRIDGES</th>
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### AID TO NAVIGATION

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<th>17. LANDMARKS</th>
<th>18. OTHER ALONGSHORE PHYSICAL FEATURES</th>
<th>19. OTHER ALONGSHORE CULTURAL FEATURES</th>
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### PHYSICAL FEATURES

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<th>21. NATURAL GROUND COVER</th>
<th>22. PLANETABLE CONTOURS</th>
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### STEREOSCOPIC INSTRUMENT CONTOURS

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<th>23. STEREOSCOPIC INSTRUMENT CONTOURS</th>
<th>24. CONTOURS IN GENERAL</th>
<th>25. SPOT ELEVATIONS</th>
<th>26. OTHER PHYSICAL FEATURES</th>
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### CULTURAL FEATURES

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<th>30. OTHER CULTURAL FEATURES</th>
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### BOUNDARIES

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### MISCELLANEOUS

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<th>34. JUNCTIONS</th>
<th>35. LEGIBILITY OF THE MANUSCRIPT</th>
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### DISCREPANCY OVERLAY

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<th>36. DISCREPANCY OVERLAY</th>
<th>37. DESCRIPTIVE REPORT</th>
<th>38. FIELD INSPECTION PHOTOGRAPHS</th>
<th>39. FORMS</th>
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### REVIEWER

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<th>SUPERVISOR</th>
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<tbody>
<tr>
<td></td>
<td>C.H. Bishop</td>
<td>Albert C. Rauck, Jr.</td>
</tr>
</tbody>
</table>

### REMARKS (See attached sheet)

#### 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></th>
<th>41. REMARKS</th>
</tr>
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<tr>
<td></td>
<td>C.H. Bishop 3/25/70</td>
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### SUPERVISOR

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<tr>
<th></th>
<th>Albert C. Rauck, Jr.</th>
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### REVIEWER

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<tbody>
<tr>
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<td>RES. ACR. VES. April 27/70</td>
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### REMARKS

FIELD EDIT REPORT

MAP T-13329
Peril Strait
Point Craven

Field edit of map T-13329 was accomplished during April, 1970. Inspection was done from a skiff in conjunction with photo-hydro signal identification and from a launch during hydrography.

METHOD

Field photographs and a copy of the Field Edit Ozalid were examined in the field. The mean high water line was verified by visual comparison of the shore area to field photographs and ozalid. Notes on the heights of rocks, location of MHWL, and other data pertaining to photo identifiable features have been made in violet ink on the Field Edit Ozalid and cross referenced, where necessary, to field matte ratio prints. Unless otherwise indicated all shoreline features have been verified correct as interpreted. Verification of MHWL is indicated by dotted violet ink lines on matte ratio prints. Isolated rocks and reefs were located by sextant fix and compared with photogrammetric positions. All notes are in violet ink on the following photos: 67L3407, 67L3408, 67L3238, 67L3239, and 67L3240.

All times are based on meridian 120° W.

ADEQUACY OF COMPILATION

Compilation of the map is good. Position and extent of rocks and ledges are accurate; additional photo identifiable features have been indicated on the Field Edit Ozalid and cross referenced to matte ratio prints.

Field inspection of the map is complete.

RECOMMENDATIONS

It is recommended that the map be revised in accordance with Field Edit data provided and be accepted as an advance manuscript.

Respectfully submitted,

Allen F. Divis
LTJG, USESSA
<table>
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<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
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<th>COMPILATION</th>
<th>FIELD EDIT</th>
<th>CHARTS AFFECTED</th>
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<td>1523 13 51.900</td>
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<td>F-2</td>
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**NOTE:** Error on previous form 567 corrected
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<th>TYPE OF ACTION</th>
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<tr>
<td>1. Object inspected from seaward</td>
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</tr>
<tr>
<td>2. Positions determined and/or verified</td>
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<td></td>
</tr>
<tr>
<td>3. Forms originated by Quality Control and Review Group and final review activities</td>
<td></td>
<td></td>
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</table>

**Bernard Kurs**

### INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

**NOTE:**

- 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods.
- 'Field Positions' are determined by field observations based entirely upon ground control.

**COLUMN TITLE**

<table>
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<tr>
<th><strong>COMPILATION</strong></th>
<th><strong>TYPE OF ENTRIES</strong></th>
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<td></td>
<td>Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.</td>
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**FIELD INSPECTION AND FIELD EDIT**

1. New Position Determined – Enter the applicable data by symbols as indicated below:

   - F – Field
     1. Triangulation
     2. Traverse
     3. Intersection
     4. Resection
       a. Theodolite
       b. Planetable
       c. Sextant

   - P – Photogrammetric
     1. Field identified
     2. Theodolite
     3. Planetable
     4. Sextant

   **EXAMPLES:**

   - F. 3.c
   - P. 2

   Immediately beneath the data described above, enter the following:

   a. For 'Field Positions' enter the date of location.
   b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered – Enter ‘Triang. Rec. mo/day/yr.’

3. Position Verified – Enter ‘Verif. mo/day/yr.’
REVIEW REPORT T-13329

SHORELINE

May, 1973

61. GENERAL STATEMENT

See summary which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED SURVEYS

There is no registered survey in this area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S.G.S. Quadrangles Sitka (B-3), Alaska dated 1951 and Sitka (C-3), Alaska, dated 1948 both at 1:63,360 scale. There is general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with Boat Sheets H-9123, H-9124 1:10,000 scale, dated 1970, also H-9121, 1:20,000 scale, dated 1970. The manuscript and boat sheets are in good agreement with one exception. The boat sheet position 4863 at approximate 57°29'12" 134°53'35" shows a rock bare 2.5' at 1353 on 4/25/70. This is not visible on the photo (too fuzzy).

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with chart 8283 dated July 17, 1971 at 1:40,000 scale. There is only general agreement. The wreck shown on the chart just northwest of Pt. Craven is not visible on the photographs.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey meets with project instructions and the National Standards of Map Accuracy.

Reviewed by:

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