**FORM 504**

**U. S. DEPARTMENT OF COMMERCE**

**COAST AND GEODETIC SURVEY**

**DESCRIPTION REPORT**

- **Type of Survey**: SHORELINE (PHOTOMETRIC)
- **Field No.**: Field No. Office No. T-10390

**LOCALITY**

- **State**: ALASKA
- **General locality**: EL CAPITAN PASSAGE
- **Locality**: MARBLE PASSAGE

1953 - 1957

**CHIEF OF PARTY**

E.W. Richards, Chief of Field Party
W.F. Deane, Baltimore District Officer

**LIBRARY & ARCHIVES**

**DATE**

*This is an "incomplete" survey. Refer to page 6*
**PROJECT NO. (II):**

PH-87

**FIELD OFFICE (II):**

USCGS Ship HODGSON  
USCGS Ship LESTER JONES  
USCGS Ship HODGSON

**CHIEF OF PARTY (I):**

R.A. Earle (1956)  
G.A. Nelson (1956)  
E.W. Richards (1957)

**PHOTOGRAMMETRIC OFFICE (III):**

Baltimore, Maryland

**OFFICER-IN-CHARGE:**

William F. Deane

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

<table>
<thead>
<tr>
<th>FIELD</th>
<th>OFFICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 June 1953</td>
<td>17 Dec. 1953</td>
</tr>
<tr>
<td>28 Dec. 1953</td>
<td>7 Nov. 1955</td>
</tr>
<tr>
<td>23 Dec. 1954</td>
<td>13 Nov. 1956</td>
</tr>
<tr>
<td>25 Jan. 1955</td>
<td>23 Nov. 1956</td>
</tr>
</tbody>
</table>

**METHOD OF COMPILATION (III):**

GRAPHIC

**ANONYMOUS SCALE (III):**

1:10,000

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

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

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

**APPLIED TO CHART NO.:**

**DATE:**

**DATE REGISTERED (IV):**

**GEOGRAPHIC DATUM (III):**

N.A. 1927

**REFERENCE STATION (III):**

NAT, 1922

**LAT.:**

55° 57' 54.024"

**LONG.:**

133° 20' 54.255"

**STATE:**

Alaska UTM

**ZONE:**

8

**VERTICAL DATUM (III):**

MHW

**EXCEPT AS FOLLOWS:**

Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

**PLANE COORDINATES (IV):**

x = 

**ROMAN 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

**FIELD INSPECTION BY (III):**  
J.P. Randall, A.M. Legako, V. Tilley  
J.P. Randall  
**DATE:**  
1956 Field Season  
June 1957

**MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):**  
Office interpretation of 1953 photography and field inspection in 1956 and 1957.

**PROJECTION AND GRIDS RULED BY (IV):**  
A. Riley  
**DATE:**  
Nov. 29, 1955

**PROJECTION AND GRIDS CHECKED BY (IV):**  
A. Riley  
**DATE:**  
Nov. 29, 1955

**CONTROL PLOTTED BY (III):**  
J. E. Tolodziecki  
**DATE:**  
Jan. 24, 1956

**CONTROL CHECKED BY (III):**  
A. Queen  
L.A. Senasack  
**DATE:**  
Jan. 25, 1956  
Mar. 16, 1956

**RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):**  
E.L. Williams  
**DATE:**  
April 4  
Mar. 21, 1956

**STEREOSCOPIC INSTRUMENT COMPILATION (III):**  
**PLANIOMETRY**  
**DATE**

**CONTOURS**  
**DATE**

**MANUSCRIPT DELINEATED BY (III):**  
B. Kurz's  
J. Counciill  
B. Wilson  
**DATE:**  
Mar. 1957

**SCRIBING BY (III):**  
**DATE**

**PHOTограмMETRIC OFFICE REVIEW BY (III):**  
R. Glaser  
**DATE:**  
Mar. 1959

**REMARKS:**  
[Handwritten notes]
## 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>41532 thru 41534</td>
<td>8/22/53</td>
<td>1119</td>
<td>1:10,000</td>
<td>8.2' above MLLW</td>
</tr>
</tbody>
</table>

## Tide (III)

<table>
<thead>
<tr>
<th>Reference Station</th>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sitka</td>
<td>8.7</td>
<td>10.9</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Subordinate Station</th>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyrus Cove</td>
<td>8.8</td>
<td>10.9</td>
<td></td>
</tr>
</tbody>
</table>

**Washington Office Review by (IV):** Leo F. Beugnet, Atlantic Marine Center
**Date:** Nov. 1968

**Proof Edit by (IV):**
**Date:**

**Number of Triangulation Stations Searched for (II):** 8
- **Recovered:** 8
- **Identified:** 2

**Number of BM(s) Searched for (II):** 0
- **Recovered:** 0
- **Identified:** 0

**Number of Recoverable Photo Stations Established (III):** 2
- **Identified:** *

**Number of Temporary Photo Hydro Stations Established (III):** 1

**Remarks:**

* In addition, 2 stations were recovered.
<table>
<thead>
<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compiled (INCOMPLETE)</td>
<td>1956</td>
<td>SUPERSEDED</td>
</tr>
<tr>
<td>Compiled (INCOMPLETE)</td>
<td>March 1957</td>
<td>SUPERSEDED</td>
</tr>
<tr>
<td>Final Review</td>
<td>Nov. 1968</td>
<td></td>
</tr>
</tbody>
</table>
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10390

Shoreline survey T-10390 is one of 58 similar surveys in project PH-87. It covers part of the shoreline of El Capitan and Marble Passages in Southeast Alaska. The primary purpose of the survey was to provide new shoreline for nautical charts and photo-hydro support data for hydrographic surveys.

This survey was compiled as an incomplete manuscript. During the 1956 and 1957 field seasons field inspection was accomplished. That part of the survey north of 55° 58' 30" was corrected from field inspection notes; the photographs for the area south of 56° 58' 30" were lost and no corrections could be made to that part of the survey. For this reason the Incomplete Manuscript classification has been retained on the manuscript and the copies provided for record and registry. (See also page 16 of the compilation report.) Also refer to note at bottom of page 24.

Compilation was at 1:10,000 scale by graphic methods using the nine-lens photography of August 1953. A cronaflex copy of the manuscript, blueline tracing, ozalids and photographs were furnished for preparation of the boat sheet, field edit and photo-hydro signal location.

The manuscript is a vinylite sheet 3 3/4 minutes in latitude by 5 minutes in longitude which was smooth drafted and reproduced on cronaflex. One cronaflex positive and a negative are provided for record and registry.
21. **AREA COVERED**

This preliminary radial plot covers the area of the surveys listed above.

The geographic area encompassed by these shoreline surveys includes Tokeen Bay on the north, Davidson Inlet on the west, El Capitan Passage on the east, and Sea Otter Sound on the south.

22. **METHOD - RADIAL PLOT**

- **Map Manuscripts:**
  - Vinylite sheets with polyconic projections in black and U.T.M.
  - Alaska grid in red at a scale of 1:10,000 were furnished by the Washington Office.

- **All control stations and substitute stations were plotted using the meter bar and beam compass.**

- **Base sheets were prepared in this office.**

- **A sketch showing the layout of surveys and distribution of control and photograph centers is attached to this report.**

- **Photographs:**
  - There are forty-six (46) nine-lens, unmounted photographs at a scale of 1:10,000 used in this plot, numbered as follows:
    
    | 41483 thru 41490 |
    | 41511 thru 41521 |
    | 41529 thru 41537 |
    | 41594 thru 41602 |
    | 41637 thru 41641 |
    | 41648 thru 41652 |
    | 52034 and 52035 |

- **Templet:**
  - Vinylite templets were made for all the photographs using a master templet to correct for errors due to paper distortion and chamber displacement.

**Closure and Adjustment to Control:**

This radial plot is an extension to the east of the plot for surveys T-9629, T-9630, T-10382, T-10383, T-10388, T-10393 thru T-10396, T-10400, and T-10401. Although much dependence had to be placed on the office-identified control throughout the plot, it was possible to effect a
Closure and Adjustment to Control: (cont’d)

bridge from field-identified control on surveys T-10383 and T-10389 in the northwest to field-identified control on survey T-11100 in the southeast corner of the plot. This is a somewhat lengthy bridge and additional field-identified control is essential in order to ensure attaining the horizontal accuracy requirements, particularly on surveys T-10304 and T-10385.

A comparison between the radially plotted positions of the office-identified control and the geographic positions indicates that the probable horizontal error does not exceed 1.0 mm in the weakest portions of the plot.

Transfer of Points:

Each map manuscript was placed over the finished plot, oriented, and the positions of all pass points and photograph centers were then pricked on the manuscript.

Of these manuscripts, only surveys T-10383, T-10389, T-10398, and T-11127 were inked and passed on to the compilers. The pass points and photograph centers on the other surveys were not inked. Unless further instructions are received from the Washington office, these surveys numbered T-10304, T-10385, T-10386, T-10390, and T-10391 will not be inked or compiled until field-identified control is available and the plot is relaid.

23. ADEQUACY OF CONTROL

This was a preliminary radial plot based for the most part on office-identified control. A layout on which is indicated the control stations which should be identified was submitted to the field party. With these stations identified, there should be adequate control for a final radial plot.

24. SUPPLEMENTAL DATA

None.

25. PHOTOGRAPHY

The photographic coverage and definition of photographs used in this plot were good.

26. CONTROL STATION OFFICE NOTES

A cahier numbered "No. 2 of 2" containing a card for each office-identified station within the limits of this plot was submitted to the field party. These cards should aid the field man in recovering and identifying the triangulation stations. On each card is a sketch of the area near the probable location of the station, as well as photographic data and the published description.
25. CONTROL STATION OFFICE NOTES (cont'd)

The sketch on the card is generalized. A sketch made by the field man while at the station site is preferred.

Respectfully submitted
4 April 1956

E. L. Williams
E. L. Williams
Carto. (Photo.)
<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 LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGG 2, 1922</td>
<td>G-609 p. 316</td>
<td>N.A. 1927</td>
<td>55</td>
<td>66</td>
<td>21.92</td>
<td>677.9 (1177.8)</td>
<td></td>
</tr>
<tr>
<td>N.A. 1927</td>
<td>133</td>
<td>22</td>
<td>20.28</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>NAT, 1922</td>
<td>G-609 p. 311</td>
<td>&quot;</td>
<td>55</td>
<td>57</td>
<td>54.024</td>
<td>1670.9 (1814.8)</td>
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<tr>
<td>&quot;</td>
<td>133</td>
<td>20</td>
<td>54.255</td>
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<tr>
<td>CLIFF, 1922</td>
<td>G-609 p. 313</td>
<td>&quot;</td>
<td>55</td>
<td>57</td>
<td>54.219</td>
<td>1470.7 (1385.0)</td>
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<td>&quot;</td>
<td>133</td>
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<td>54.084</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>WHITE, 1922</td>
<td>G-609 p. 314</td>
<td>&quot;</td>
<td>55</td>
<td>56</td>
<td>48.988</td>
<td>1515.1 (340.6)</td>
<td></td>
</tr>
<tr>
<td>&quot;</td>
<td>133</td>
<td>20</td>
<td>48.429</td>
<td></td>
<td></td>
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<tr>
<td>EGG, 1904</td>
<td>G-609 p. 308</td>
<td>&quot;</td>
<td>55</td>
<td>56</td>
<td>22.77</td>
<td>704.2 (1151.5)</td>
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<tr>
<td>&quot;</td>
<td>133</td>
<td>22</td>
<td>19.73</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SEAL, 1922</td>
<td>G-609 p. 313</td>
<td>&quot;</td>
<td>55</td>
<td>57</td>
<td>12.781</td>
<td>395.3 (1460.4)</td>
<td></td>
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<tr>
<td>&quot;</td>
<td>133</td>
<td>20</td>
<td>50.516</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>LOG, 1922</td>
<td>G-609 p. 314</td>
<td>&quot;</td>
<td>55</td>
<td>56</td>
<td>56.733</td>
<td>1754.6 (101.0)</td>
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<tr>
<td>&quot;</td>
<td>133</td>
<td>20</td>
<td>52.985</td>
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<tr>
<td>BATH, 1922</td>
<td>G-609 p. 314</td>
<td>&quot;</td>
<td>55</td>
<td>56</td>
<td>34.953</td>
<td>1081.0 (774.7)</td>
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<tr>
<td>&quot;</td>
<td>133</td>
<td>20</td>
<td>35.769</td>
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</tbody>
</table>

1 FT = 0.3048005 METER

COMPUTED BY: H. R. Rudolph
DATE: 16 January 1956

CHECKED BY: A. Queen
DATE: 20 January 1956
The field inspection report submitted with T-10382-83-84 contains 1956 data for a part of survey T-10390.

The 1957 field inspection report for T-10391 and the balance of T-10390 is filed with the descriptive report for T-10385. The field inspection report for T-10392 is a part of this report (See page 7).

31. **DELINEATION**

These manuscripts were delineated by graphic methods. In areas where the shoreline was obscured by shadows or relief displacement, the NHWL was shown with a broken line.

Manuscripts T-10390 and T-10391 are incomplete south of 58° 58' 30" because some of the photographs containing 1957 field data were not received in the compilation office and are presumed lost. For the same reason, T-10392 is incomplete in Sarkar Cove and Salt Water Lagoon.

The areas for which no field inspection was available were delineated by stereoscopic examination of the office photographs and because of the lack of complete field data, these manuscripts are classified INCOMPLETE.

32. **CONTROL**

The identification, density and placement of horizontal control is adequate.

33. **SUPPLEMENTAL DATA**

None.

34. **CONTOURS AND DRAINAGE**

Contours: Inapplicable.

Drainage: No comment.

35. **SHORELINE AND ALONGSHORE DETAILS**

In Sarkar Lake, shoreline fixes obtained during the 1957 field season served to correct shoreline delineation in this area. About 6 of the 34 shoreline fixes had to be ignored because they fell obviously too far inland or out in the water.
Shadows, clouds, floating debris and relief displacement of trees caused much difficulty in delineating the shoreline of Sarkar Lake.

Foul lines and shallow lines were based on field inspection generally north of 54° 58' 30". Offshore areas of questionable interpretation where no field inspection was available were labeled "foul".

Because the photographs were exposed near high tide, very little foreshore ledge is shown on the manuscripts.

36. **OFFSHORE DETAILS**

No comment.

37. **LANDMARKS AND AIDS**

There are no landmarks on these manuscripts.

Two aids to navigation, both triangulation stations established in 1953, are shown on T-10391. They are: HUB ROCK BEACON and BURNT ISLAND LIGHT.

No Form 567 was received in the compilation office for these aids.

38. **CONTROL FOR FUTURE SURVEYS**

Since hydrography is reportedly completed in the area of these surveys, item 49 is omitted. The following is a list of recoverable topographic stations and photo-hydro stations on the manuscripts:

<table>
<thead>
<tr>
<th>T-10390</th>
<th>T-10391</th>
<th>T-10392</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOD (Photo-Hydro)</td>
<td>ACE (Photo-Hydro)</td>
<td>LAKE, 1957</td>
</tr>
<tr>
<td>TRIP, 1922</td>
<td>LOT, 1922</td>
<td>SALT, 1957</td>
</tr>
<tr>
<td>LOW, 1922</td>
<td>GHET, 1922</td>
<td></td>
</tr>
<tr>
<td>LOUT, 1956</td>
<td>BOX, 1922</td>
<td></td>
</tr>
<tr>
<td>ANDY, 1956</td>
<td>FAT, 1922</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BOT, 1922</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IF, 1922</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GER, 1922</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LIX, 1922</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MOL, 1922</td>
<td></td>
</tr>
</tbody>
</table>
In addition, identification cards and Forms 524 have been furnished for the following stations (T-10391) which could not be delineated because the photographs on which they were identified are apparently lost:
BIG, 1922 - FIE, 1922 - RUB, 1922 - REEF, 1922
Nome, 1922 - PyRE, 1957

39. JUNCTIONS

Junctions have been made and are in agreement between the subject manuscripts as well as with the following adjoining surveys:
T-10389 to the west
T-10384 and T-10385 to the north
T-10399, T-11100, T-11100-A and T-11101 to the south
No contemporary survey to the north and east of T-10392.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. - 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the U.S.G.S. Craig quadrangle, scale 1:250,000, edition of 1952.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 8171, scale 1:40,000, edition of January 1956.

Items to be applied to nautical charts immediately: None.
Items to be carried forward: None.

Respectfully submitted
17 February 1959

R. Glaser
Carto. (Photo.)

Approved and Forwarded

William F. Dean
CDR C&GS
Baltimore District Officer
GEOGRAPHIC NAMES
FINAL NAME SHEET

PH-87 (Sumner Strait, Alaska)
T-10390

Brockman Pass
El Capitan Island
El Capitan Passage
Kosciusko Island
Marble Island
Marble Passage
Orr Island
San Island
Scott Island
Scow Island
Singa Island
Spanberg Island
Tenass Pass
Tokeen Bay

Approved by:
A. Joseph Wright
Chief Geographer

Prepared by:
Frank W. Pickett
Cartographic Technician
PHOTOGRAMMETRIC OFFICE REVIEW

T-10390, T-10391 and T-10392

1. Projection and grids  
2. Title  
3. Manuscript numbers  
4. Manuscript size  

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy  
6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)  
7. Photo hydro stations  
8. Bench marks  
9. Plotting of sextant fixes  
10. Photogrammetric plot report  
11. Detail points

ALONGSHORE AREAS
(Nautical Chart Data)

12. Shoreline  
13. Low-water line  
14. Rocks, shoals, etc.  
15. Bridges  
16. Aids to navigation  
17. Landmarks  
18. Other alongshore physical features  
19. Other alongshore cultural features

PHYSICAL FEATURES

20. Water features  
21. Natural ground cover  
22. Planetary contours  
23. Stereoscopic instrument contours  
24. Contours in general  
25. Spot elevations  
26. Other physical features

CULTURAL FEATURES

27. Roads  
28. Buildings  
29. Railroads  
30. Other cultural features

BOUNDARIES

31. Boundary lines  
32. Public land lines

MISCELLANEOUS

33. Geographic names  
34. Junctions  
35. Legibility of the manuscript  
36. Discrepancy overlay  
37. Descriptive Report  
38. Field inspection photographs  
39. Forms

Reviewer

Supervisor, Review Section or Unit

1956 & 1957 FIELD INSPECTION OR EDIT APPLIED BY COMPILER.
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

Supervisor

Remarks:
REVIEWS REPORT T-10390
SHORELINE
NOVEMBER 11, 1968

61. GENERAL STATEMENT:

See Summary accompanying the Descriptive Report.

There is no field edit report or field edit sheet for this survey. Field inspection was accomplished after compilation, and that part of the survey for which field inspection was available was then corrected in accordance with field inspection notes. See Summary and Compilation Report concerning incomplete part of survey.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with copies of registered surveys No. 2691, 1:20,000 scale made in 1904; No. L052, 1:10,000 scale made in 1923 and No. L053, 1:10,000 scale made in 1922-1923. After adjustment for the difference in datum the shoreline of these three surveys is only in fair agreement with the shoreline of T-10390. Survey T-10390 supersedes the three older surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS CRAIG (D-5), ALASKA 15 x 20 minute quadrangle, 1:63,360 scale, edition of 1951. The comparison was favorable, the USGS quadrangle is generalized because of its scale.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies of H-7987, H-8290 and H-8391. Rocks appearing on these surveys that are not visible on the photographs are as follows:
### H-8290

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>55° 58' 36&quot;</td>
<td>133° 23' 00&quot;</td>
</tr>
<tr>
<td>55° 58' 37&quot;</td>
<td>133° 23' 27&quot;</td>
</tr>
<tr>
<td>55° 58' 39&quot;</td>
<td>133° 23' 26&quot;</td>
</tr>
<tr>
<td>55° 58' 51&quot;</td>
<td>133° 23' 53&quot;</td>
</tr>
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<td>55° 58' 58&quot;</td>
<td>133° 23' 26&quot;</td>
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<td>55° 59' 10&quot;</td>
<td>133° 24' 39&quot;</td>
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<td>133° 21' 47&quot;</td>
</tr>
<tr>
<td>55° 59' 29&quot;</td>
<td>133° 23' 41&quot;</td>
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<td>55° 59' 32&quot;</td>
<td>133° 24' 11&quot;</td>
</tr>
<tr>
<td>55° 59' 36&quot;</td>
<td>133° 22' 19&quot;</td>
</tr>
<tr>
<td>55° 59' 51&quot;</td>
<td>133° 23' 34&quot;</td>
</tr>
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### H-8289

<table>
<thead>
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<th>Latitude</th>
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</tr>
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<tr>
<td>55° 58' 07&quot;</td>
<td>133° 24' 00&quot;</td>
</tr>
<tr>
<td>55° 58' 11&quot;</td>
<td>133° 23' 54&quot;</td>
</tr>
<tr>
<td>55° 58' 15&quot;</td>
<td>133° 23' 16&quot;</td>
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<tr>
<td>55° 58' 20&quot;</td>
<td>133° 23' 10&quot;</td>
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<td>55° 58' 23&quot;</td>
<td>133° 23' 09&quot;</td>
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<tr>
<td>55° 58' 27&quot;</td>
<td>133° 23' 22&quot;</td>
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<tr>
<td>55° 58' 22&quot;</td>
<td>133° 21' 07&quot;</td>
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<td>55° 58' 24&quot;</td>
<td>133° 21' 06&quot;</td>
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<td>55° 58' 24&quot;</td>
<td>133° 23' 58&quot;</td>
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### H-8391

<table>
<thead>
<tr>
<th>Latitude</th>
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<tbody>
<tr>
<td>55° 56' 16&quot;</td>
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<td>55° 56' 31&quot;</td>
<td>133° 20' 56&quot;</td>
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<td>55° 56' 32&quot;</td>
<td>133° 21' 19&quot;</td>
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<td>55° 56' 31&quot;</td>
<td>133° 21' 23&quot;</td>
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<tr>
<td>55° 56' 28&quot;</td>
<td>133° 21' 31&quot;</td>
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<tr>
<td>55° 56' 29&quot;</td>
<td>133° 23' 08&quot;</td>
</tr>
<tr>
<td>55° 56' 34&quot;</td>
<td>133° 20' 45&quot;</td>
</tr>
</tbody>
</table>
55° 56' 35"n 133° 20' 45"n (2 rocks)
55 56 36 133 20 39
55 56 39 133 20 51
55 56 39 133 20 55
55 56 46 133 20 17
55 56 52 133 20 02
55 57 06 133 20 16 (2 rocks)
55 57 12 133 20 16 (2 rocks)
55 57 05 133 20 45
55 57 03 133 21 06
55 56 42 133 21 08
55 56 44 133 21 49
55 57 38 133 21 05
55 56 56 133 22 25
55 56 58 133 22 39
55 57 10 133 22 16
55 57 11 133 22 21
55 57 12 133 22 24

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with chart 8171, 8th edition, June 10, 1968. Rocks at the following positions on the chart are not visible on the photographs:

<table>
<thead>
<tr>
<th>LATITUDE</th>
<th>LONGITUDE</th>
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</thead>
<tbody>
<tr>
<td>55° 56' 25&quot;n</td>
<td>133° 20' 45&quot;n</td>
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<tr>
<td>55 56 33</td>
<td>133 20 42</td>
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<td>55 56 40</td>
<td>133 20 54</td>
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<td>55 56 50</td>
<td>133 21 40</td>
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<tr>
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<td>133 21 58</td>
</tr>
<tr>
<td>55 57 02</td>
<td>133 22 14</td>
</tr>
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<td>55 57 20</td>
<td>133 22 45</td>
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<td>55 57 39</td>
<td>133 21 15</td>
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<td>55 57 48</td>
<td>133 21 56</td>
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<td>55 59 55</td>
<td>133 20 37</td>
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<tr>
<td>55 59 59</td>
<td>133 20 36</td>
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</tbody>
</table>
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with instructions and meets the National Standards of Map Accuracy. *See below

Field photograph L1598 was the only one available at the time of final review.

Office photographs L1532 thru L1534, L1518 and L1596 thru L1598 were used during final review.

Approved by: Reviewed by:

Howard S. Cole Leo F. Beugnet
Howard S. Cole, CAPT., USESSA Leo F. Beugnet
Director, Atlantic Marine Center

Approved by:

Chief, Photogrammetric Branch

Chief, Nautical Chart Division

*HORIZONTAL CONTROL FOR MAP COMPILATION WAS PROVIDED BY A PRELIMINARY RADIAL PLOT - ASSEMBLED IN APRIL 1956. THE PORTION OF THE PLOT COVERING THE SUBJECT MAP WAS CONSIDERED INADEQUATE - REFER TO PAGE 11, PARAGRAPH 4. NO SPECIFIC REFERENCES TO THE SUBJECT INADEQUACIES WERE MADE IN EITHER THE FIELD INSPECTION REPORTS (1956 AND 1957) OR THE COMPILATION REPORT; THE MAP, HOWEVER, WAS USED IN SUPPORT OF CONTEMPORARY HYDROGRAPHY, AND NO DISCREPANCIES BETWEEN THE MAP AND THE HYDROGRAPHIC SURVEYS ARE MENTIONED UNDER HEADING 64., PAGE 21 - FINAL REVIEW REPORT.