Diag. Cht. No. 8556-2

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey  SHORELINE

Field No. (II)  Office No. T-5769

LOCALITY

State  ALASKA

General locality  KODIAK

Locality  AFOGNAK ISLAND

CHIEF OF PARTY

1947
L. C. Lande, Div. of Photogrammetry, Wash. D.C.

LIBRARY & ARCHIVES

DATE  APRIL 19, 1948
DATA RECORD

T-5769

Quadrangle (II): Project No. (II):

Field Office: Chief of Party: L. C. Lande

Compilation Office: Chief of Party: Chief, Graphic Compilation Section
Washington, D. C.

Instructions dated (II III): Copy filed in Descriptive Report No. T-

Completed survey received in office: April 1948 (VI)

Reported to Nautical Chart Section: April 1948

Reviewed: 30 Mar, 1951 Applied to chart No. 8533 Date: 17 Aug, 1948

Redrafting Completed: 

Registered: 12 Sept. 1951 Published: 

Compilation Scale: 1:40,000 Published Scale: 

Scale Factor (III): 1.00


Reference Station (III): Black Cape, 1908

Lat.: Long.: 

State Plane Coordinates (VI):

X = Y = 

Military Grid Zone (VI)
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>1-62 to 1-66 inc.</td>
<td>May &amp; June</td>
<td>unknown</td>
<td>1:40,000</td>
<td>unknown</td>
</tr>
<tr>
<td>1-62 to 1-88</td>
<td>&quot;</td>
<td>Acc. 1867</td>
<td>1:40,000</td>
<td></td>
</tr>
<tr>
<td>2-3 to 2-9</td>
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<td></td>
<td>1:40,000</td>
<td></td>
</tr>
<tr>
<td>2-74 to 2-79</td>
<td>&quot;</td>
<td></td>
<td>1:40,000</td>
<td></td>
</tr>
<tr>
<td>2-85 to 2-88</td>
<td>&quot;</td>
<td></td>
<td>1:40,000</td>
<td></td>
</tr>
<tr>
<td>4-108 to 4-116</td>
<td>&quot;</td>
<td></td>
<td>1:40,000</td>
<td></td>
</tr>
</tbody>
</table>

Tide from (III):
Mean Range:
Spring Range:
Camera: (Kind or source) Navy - 6"
Field Inspection by: none date:
Field Edit by: none date:
Date of Mean High-Water Line Location (III):

Projection and Grids ruled by (III) T. L. Jansen date: 1/22/48
" " " checked by: T. L. Jansen date: 1/22/48
Control plotted by: K. N. Maki date: 2/2/48
Control checked by: O. Dalby date: 2 -48
Radial Plot by: H. Rau date: 2/20/48
Detailed by: B. J. Colner date: 4/12/48
Reviewed in compilation office by: date: C. L. and C.
Elevations on Field Edit Sheet- checked by: date:
STATISTICS (III)

Land Area (Sq. Statute Miles):

Shoreline (More than 200 meters to opposite shore):

Shoreline (Less than 200 meters to opposite shore):

Number of Recoverable Topographic Stations established:

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:
SUMMARY TO ACCOMPANY T-5769

Data pertaining to T-5769 is filed as follows:

A. Division of Photogrammetry General Files
   1. Acetate manuscript for T-5769.
   2. Duplicate of the descriptive report.

B. Bureau Archives

Registered data under T-5769 will include the descriptive report and a lithographic print of the map manuscript at compilation scale.
This compilation was requested by the Nautical Chart Division and has been compiled without benefit of field inspection of either the shoreline or control.

26. Control.—Topographic and triangulation stations were recovered by office inspection of photographs using the following topographic sheets as references:

<table>
<thead>
<tr>
<th>Station</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-2872</td>
<td>T-4221</td>
</tr>
<tr>
<td>T-2959</td>
<td>T-4734</td>
</tr>
<tr>
<td>T-4218</td>
<td>T-4735</td>
</tr>
</tbody>
</table>

Positions for many stations used were based on a datum other than N. A. 1927. All were converted to N. A. 1927.

**Triangulation Stations (15)**

Pete, 1926; Devil, 1926; Peak D, 1926; Fox, 1926; Red, 1926; Point, 1908, 1926; Black Cape, 1908; Dome Peak, 1926; Red Peak; Ban, 1908; Man, 1908; Paramanoof, 1908; Green Island, 1909; Bet, 1932; Duck Bay, 1909.

**Topographic Stations (17)**

Sphinx; Bolt; Jam; Center; Bing; Bad; Log; Hard; Rock; Pin; Sic; Luk; Center; Mugg; Near; Low; Brass.

27. Radial Plot.—The density of control was adequate in the northern, southern and western sections and weak in the eastern and inland section of the radial plot. The control stations used were easily identified, e. g., prominent rocks along the shore, mountain peaks and characteristic shoreline projections. Most of the control points were held tightly. The others were not held as well, probably because of the difficulties encountered in the office identification of mountain peaks and other features that cannot be picked perfectly.

Thirty-eight celluloid templets were used in the plot, comprising six flights.

All intersections of rays to pass points were within the limits of required accuracy except in the following cases:

- Area covered by photographs 1-63 to 1-65, inclusive.
- Area covered by photographs 1-85 to 1-87, inclusive.

Intersections in this area are probably of lesser accuracy due to lack of control that could be positively identified. The photographs mentioned above cover an interior area and won't be used in the compilation.

28. Detailing.—For purposes of detailing the photographs may be considered good. There appears to be numerous islands on the photographs north of Bass Island. These have been shown on the compilation as Islands, but there is a possibility that some of the smaller ones are ice floes due to the icy conditions at the time the photographs were taken. All detail has been shown as interpreted by office examination of the photographs, but should be verified in the field.
29. **Supplemental Data.**—There were no supplemental data for this plot. 
   Refer item 26.

30. **Mean High-Water Line.**—The mean high-water line was detailed 
    from office inspection of photographs.

31. **Low Water and School Lines.**—Low water and school lines were not 
    shown because of no field inspection and no knowledge of the stage 
    of tide of the photographs.

32. **Details Off-Shore from the High Water Line.**—Since there was no 
    field inspection, there is no positive way of classifying off-shore 
    rocks. Reference should be made to Par. 28 concerning the doubt as 
    to whether the detail shown as islands are truly islands or ice.

33. **Wharves and Shoreline Structures.**—None were visible by photo 
    inspection.

35. **Hydrographic Control.**—No additional hydrographic control was 
    located by radial line plot.

36. **Landing Fields and Aeronautical Aids.**—None visible by photograph 
    inspection.

44. **Comparison with Existing Topographic Quadrangles.**—There are no 
    topographic quadrangles for comparison with this manuscript.

45. **Comparison with Nautical Charts.**—The manuscript could hardly 
    be compared to Nautical Chart #0556 (1:350,000) because of the great 
    difference in scale.

Approved by: 

[Signature]

Submitted by: 

[Signature]
<table>
<thead>
<tr>
<th>Name on Survey</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska</td>
<td></td>
<td></td>
<td></td>
<td>(for title)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Kodiak</td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<td></td>
<td>2</td>
</tr>
<tr>
<td>Afognak Island</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
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<tr>
<td>Paramonof Bay</td>
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<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Black Cape</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Done Peak</td>
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<td></td>
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<td></td>
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<td></td>
<td>7</td>
</tr>
<tr>
<td>Red Peak</td>
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<td></td>
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<td></td>
<td>8</td>
</tr>
<tr>
<td>Cape - Paramonof</td>
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<td></td>
<td>9</td>
</tr>
</tbody>
</table>

Names underlined in red are approved. 4-2-51  

Heck  

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REVIEW REPORT T-5769

Shoreline Map

30 March 1951

62. Comparison with Registered Topographic Surveys

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-2872</td>
<td>1:20,000</td>
<td>1908</td>
</tr>
<tr>
<td>T-2873-a</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>T-2959</td>
<td>&quot;</td>
<td>1909</td>
</tr>
<tr>
<td>T-4218</td>
<td>&quot;</td>
<td>1926</td>
</tr>
<tr>
<td>T-4221</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>T-4734</td>
<td>&quot;</td>
<td>1932</td>
</tr>
<tr>
<td>T-4735</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

T-5769 supersedes these surveys for nautical charting purposes. However, the greater portion of the shoreline on T-5769 has not been delineated on these previous topographic surveys.

63. Comparison with Maps of Other Agencies

None

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>8533</td>
<td>1:78,000</td>
<td>ed. 1949 corr. 12/12/49</td>
</tr>
<tr>
<td>8556</td>
<td>1:850,000</td>
<td>ed. 1938 corr. 12/28/50</td>
</tr>
</tbody>
</table>

There are no differences between T-5769 and the charts.

66. Adequacy of Results and Future Surveys

This map complies with the Bureau requirements for a shoreline map and is adequate as a base for hydrographic surveys and the construction of nautical charts.

67. Control

All triangulation stations used to control the photographs are plotted on the map manuscript and all stations not previously reported lost or destroyed are shown in the compilation area of the manuscript. There are numerous fringe stations outside the compilation area but inside the sheet limits that are not plotted on the map. Some of these stations have no descriptions and are no check positions.
68. Topographic Stations

Three recoverable topographic stations, Brass, Bolt and Rod, established in 1926 and with form 524 descriptions (see p. 5, Desc. Report T-4218) are shown with date of establishment on the map. Twelve additional stations without available descriptions are shown. All stations, including the first mentioned three, were transferred with the necessary datum adjustment from the previous surveys listed under item 62.

69. Geographic Names

A list of geographic names in the area of T-5769 was prepared by the Geographic Names Section, Division of Charts and attached to the descriptive report.

Reviewed by:

K. N. Maki

Approved by:

A. V. Griffith
Chief, Review Section
Div. of Photogrammetry

W. M. Scarfe
Chief, Div. of Photogrammetry

H. E. Edmonston
Chief, Nautical Chart Branch
Division of Charts

W. M. Scarfe
Chief, Div. of Coastal Surveys
A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.