

5769

Diag. Cht. No. 8556-2

Form 504

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

194 7

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE APRIL 19, 1948

B-1870-1 (1)

5769

DATA RECORD

T-5769

Quadrangle (II):

Project No. (II):

Field Office: —

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

Instructions dated (II III): —

Copy filed in Descriptive —
Report No. T- (VI)Completed survey received in office: April 1948Reported to Nautical Chart Section: April 1948Reviewed: 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

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.H.W.

Reference Station (III): Black Cape, 1908

Lat.: 30° 00' 00" NLong.: 75° 00' 00" WAdjusted
Horizontal

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u> 1947	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
1-62 to 1-66 inc.	May & June	unknown	1:40,000	unknown
1-82 to 1-88 "	"		1:40,000	
2-3 to 2-9 "	"		1:40,000	
2-74 to 2-79 "	"		1:40,000	
2-85 to 2-88 "	"		1:40,000	
4-108 to 4-116 "	"		1:40,000	

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: *L.C. Lande* date: *4/48*

~~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:

T-2872	T-4221
T-2959	T-4734
T-4218	T-4735

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; Paramanof, 1908; Green Island, 1909; Bet, 1932; Duck Bay, 1909.

Topographic Stations (17)

*Underlined stations
outside neat line.*

Sphinx; Bolt; Jam; Center; Bing; Bad; Log; Hard; Rock; Pin; Sic; Luk; Center; ~~Bing~~; 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 Shoal Lines.-- Low water and shoal 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 #8556 (1:350,000) because of the great difference in scale.

Approved by:

L. C. Lande
L. C. Lande

Submitted by:

Bernard J. Colner
Bernard J. Colner

GEOGRAPHIC NAMES

Survey No. T-5769

[illegible]

REVIEW REPORT T-5769

Shoreline Map

30 March 1951

62. Comparison with Registered Topographic Surveys

T-2872,	1:20,000	1908
T-2873-a	"	"
T-2959	"	1909
T-4218	"	1926
T-4221	"	"
T-4734	"	1932
T-4735	"	"

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

8533	1:78,000	ed. 1949	corr. 12/12/49
8556	1:350,000	ed. 1938	corr. 8/28/50

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
K. N. Maki

Approved by:

A. V. Griffith
Chief, Review Section K.N.M.
Div. of Photogrammetry

O. S. Reading
Chief, Div. of Photogrammetry
MAG

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

W. M. Scaife
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-5769

Record of Application to Charts

[illegible]

M-216A-1

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.