U.S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey: TOPOGRAPHIC
Field No.: SU-A-45  Office No.: T-6985

LOCALITY
State: ALASKA
General locality: COLD BAY
Locality: LENARD HARBOR

1945
CHIEF OF PARTY
C.D. MEANEY, Commanding Ship SURVEYOR

LIBRARY & ARCHIVES
DATE: JAN 22, 1946
The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. SU-A-45........

REGISTER NO.

State.................. Alaska Peninsula

General locality............. Cold Bay

Locality................... Lenard Harbor

Scale 1:10000........... Date of survey... April & May........, 1945

Vessel..................... SURVEYOR

Chief of party............... C.D. MEANEY

Surveyed by............... K.B. Jeffers

Inked by..................... K.B. Jeffers

Heights in feet above......... to ground to tops of trees

Contour, Approximate contour, Form line interval.......... feet

Instructions dated........... April 20....................., 1945

Remarks: Revision Survey - Shoreline only.
Descriptive Report to Accompany
Topographic Sheet No. SU-A-45, Lenard Harbor

Instructions:— This survey was done at the request of the U.S. Navy and under instructions contained in a dispatch received April 19, 1945 from the Liaison Officer, 17th Naval District.

Purpose:— A special survey of areas to be used in practice landing operations was requested by the Navy. The topographic survey was necessary to provide control for hydrography and to furnish information as to the nature of the beaches.

Control:— The positions of triangulation stations HOOK, NOL, and WILD were available at the time the survey was made. Stations BLACK, ROCK, DUB and CUT were relocated by graphic control methods. The triangulation positions of these stations were plotted at a later date and the discrepancies were not large enough to require adjustments of the topography.

Methods:— The topography was done on an aluminum mounted sheet at a scale of 1:10000. Topographic stations were located by graphic control methods with at least three cuts at every station. Particular care was exercised in this phase of the work in view of the fact that the hydrography was to be done on scales of 1:2500 and 1:5000.

The shore line shown on the sheet was located by usual plane table methods using 4 meter telemeter rods and alidade No. 194. All plane-table stations were located by resection; a sufficient number of control points being visible at all stations for this purpose.

No attempt was made to deliniate the low water line except at the east end of the harbor. The course of all major streams was determined for a distance of approximately 150 meters back of the high water line. Otherwise, no attempt was made to plot topographic features inshore from the high water line.

Comparison with previous survey:— A topographic survey of Lenard Harbor was made in 1924 on a scale of 1:20,000, sheet registry No. T-4080. Shore line details are nearly identical except at the head of the bay. The high water line in this area is indefinite, however, sufficient rod readings along the streams and shore line were obtained to control the aerial photographs.

Place names:— There are no prominent features in the area which require a place name.

Respectfully submitted,

[Signature]
Karl B. Jeffers
Lt. Comdr., C. & G. Survey

Approved

[Signature]
C.D. McAneny
Lt. Comdr., C. & G. Survey
Comdg. Ship SURVEYOR
DIVISION OF CHARTS
REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY  REGISTRY NO. T-6985
FIELD NO. SU-A-45

Alaska, Cold Bay, Lenard Harbor
Surveyed in April – May, 1945 Scale 1:10,000
Instructions issued by U. S. Navy May 4, 1945

Plane Table Survey  Aluminum Mounted

Chief of Party - C. D. Meaney
Surveyed by - K. B. Jeffers
Inked by - K. B. Jeffers
Reviewed by - R. H. Carstens, August 29, 1947
Inspected by - H. W. Murray

1. Adjoining Surveys
   The present survey adequately joins T-6986 (1945) on the west.

2. Comparison with Prior Surveys
   T-4080 (1924) 1:20,000
   This prior survey covers the entire area of the present survey.
   The prior and present shorelines are generally in very good agreement. There are minor differences which are probably due to differences in sketching and interpretation.
   The present survey supersedes this prior survey for charting the shoreline and offshore features within the common area.
3. Comparison with Chart 8703 (Latest print date 11/2/46)

A. Topography

The charted topography originates with the previously discussed survey which needs no further consideration.

B. Magnetic Meridian

The present survey value of the magnetic meridian is within 2° of the charted value. The declination correction, if any, is not known.

4. Condition of Survey

The survey was neatly inked and conforms to the requirements of the Topographic Manual.

The Descriptive Report is adequate.

5. Compliance with the Project Instructions

Project instructions were issued by the U. S. Navy. Compliance with these Instructions is adequate.

6. Additional Field Work Recommended

This is an excellent survey and no additional work is recommended.

Examined and approved:

I. E. Rittenburg  
Chief, Nautical Chart Branch

Casper M. Durgin  
Chief, Division of Charts

K. G. Crosby  
Chief, Section of Hydrography

C. K. Green  
Chief, Division of Coastal Surveys
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**GEOGRAPHIC NAMES**

Name was transferred by L. Heck on 9/11/47.
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.