

6985

Diag. Cht. No. 8860-2

Form 504

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

194 5

CHIEF OF PARTY

C.D. MEANEY, Commanding Ship SURVEYOR

LIBRARY & ARCHIVES

DATE JAN 22 1946

B-1870-1 (11)

Diag. 8860-2

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO. T-6985

TOPOGRAPHIC TITLE SHEET

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, 19 45

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, 19 45

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 delineate 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,

Karl B. Jeffers

Karl B. Jeffers
Lt. Cmdr., C. & G. Survey

Approved

C.D. Meaney

C.D. MEANEY
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 declinatoire 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.

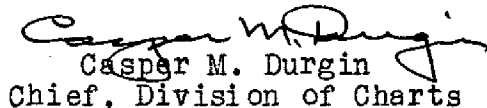
6. Additional Field Work Recommended

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

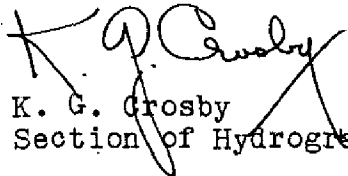
Examined and approved:



I. E. Rittenburg
Chief, Nautical Chart Branch



Casper M. Durgin
Chief, Division of Charts



K. G. Grosby
Chief, Section of Hydrography



C. K. Green
Chief, Division of Coastal Surveys

GEOGRAPHIC NAMES

Survey No.

T6985

Name on Survey

On Chart
No.

On previous survey
No.

On U. S. quadrangle
Maps

From local
information

On local Maps

P. O. Guide or Map

Rand McNally Atlas

U. S. Light List

A

B

C

D

E

F

G

H

K

Alaska

1

Cold Bay

USGB

2

Lenard Harbor

3

4

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GEOGRAPHIC NAMES

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Names Continued to 24 pages

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by L. HECK on 9/21/47

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NAUTICAL CHARTS BRANCH

SURVEY NO. _____

Record of Application to Charts

[illegible]

M-2168-1

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.