

7116a&b

Graphic Control

Diag'd. on Diag. Ch. No. 8864-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Graphic Control

Type of Survey ~~SC 365433113~~  
EX - D - 48  
Field No. EX - B - 48 Office No. T-7116a & b

LOCALITY

State ALASKA  
General locality ALEUTIAN ISLANDS  
Locality SOUTHEAST COAST - KISKA ISLAND

194 8.

CHIEF OF PARTY

F. B. T. Siems

LIBRARY & ARCHIVES

DATE MAR 16 1949

B-1870-1 (1)

7116a&b

Graphic Control

MAR 16 1949

Form 537a  
Ed. Nov. 1929

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

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. EX-B-48

REGISTER NO.

State ALASKA

General Locality ALEUTIAN ISLANDS

Locality SOUTH COAST KISKA ISLAND

Scale 1:20,000 Date of survey June, 19 48

Vessel USCGC EXPLORER

Chief of party F. B. T. Siems

Surveyed by H. C. Applequist and H. D. Nygren

Inked by H. C. Applequist and H. D. Nygren

Heights in feet above MHW to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated Original 3 February 1938  
Supplemental 10 February 1948

Remarks: Project Cs-218

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

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. EE-D-45

REGISTER NO.

State ALASKA

General Locality ALUTIAN ISLANDS

Locality KISKA ISLAND - GEMTRUDE COVE

Scale 1:10,000 Date of survey June, 1948

Vessel USCGC EXPLORER

Chief of party F. D. F. Stone

Surveyed by H. D. Hygren

Inked by H. D. Hygren

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated Original 3 February 1938  
Supplemental 10 February, 1948

Remarks: CS - 218



# DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEETS FIELD NO.s <sup>T-7116a</sup> EX-B-48 & <sup>T-7116b</sup> EX-D-48

South Coast Kiska Island - Alaska

Project CS-218

1948

## INSTRUCTIONS:

These surveys were executed in accordance with Original Instructions dated 3 February 1938; and Supplemental Instructions dated 10 February 1948, Project CS-218.

## TYPE OF SURVEY:

The purpose of these surveys was the location of signals for hydrography. Shoreline detail is shown only in places where the detail was obscured on the aerial photographs and at planetable set-ups.

## LIMITS OF SURVEYS:

Sheet Field No. <sup>T-7116a</sup> EX-B-48, on a scale of 1:20,000 covers the south shore of Kiska Island from Longitude  $177^{\circ}21.9'$  to Longitude  $177^{\circ}36.2'$ , with the exception of Gertrude Cove.

Sheet Field No. <sup>T-7116b</sup> EX-D-48, on a scale of 1:10,000 covers Gertrude Cove.

One report was written for these two sheets as they are on reverse sides of an aluminum sheet.

## CONTROL:

Control for these surveys was furnished by <sup>adjusted</sup> triangulation, N.A. 1927 Datum; and triangulation executed in 1947 based on the adjusted triangulation but not itself adjusted. In addition, two marked topographic stations, GERTY 1948 and RAG 1948 were located with a theodolite with accuracy less than that of third order triangulation. The computations for these two stations are being submitted as part of this report and not as triangulation.

Acc. No.  
S-2641

## SURVEY METHODS:

Standard topographic methods were used throughout with the exception of that section west of triangulation station INDI 1947.

Herty } 1948  
Rag } filed under T 8632  
Landy



Planetable traverses were run only where necessary and all the traverses closed with errors too small to require any adjustment.

The section west of INDI 1948<sup>7</sup>, shown in the insert of Sheet Field No. EX-B-48<sup>T-7116a</sup>, was surveyed as follows: The planetable was set up close to INDI 1948 and oriented on control to the eastward. An arbitrary point on the sheet was marked as INDI 1948<sup>7</sup> and the traverse run to topographic station DAD where a junction was made with a similar traverse from topographic sheet Field No. EX-A-48<sup>T-7115</sup>. The position of DAD, on the two sheets, checked satisfactorily.

COMPARISON WITH PREVIOUS SURVEYS:

There are no previous surveys of this area, except for relatively uncontrolled aerial surveys by the U. S. Army.

COMPARISON WITH HYDROGRAPHIC SURVEYS:

There is no disagreement with the hydrographic surveys.

LANDMARKS FOR CHARTS:

There are no features in this area which should be considered as landmarks.

GEOGRAPHIC NAMES:

Vega Bay, Gertrude Cove and Bukhti Point are names shown on the Coast and Geodetic Survey Charts. The names Mutt Cove, Jeff Cove and Sargeant Cove were taken from the topographic maps of the U. S. Engineers. The origin of these names is not known.

ADEQUACY OF SURVEY:

These surveys are control sheets for hydrography and should be supplemented by aerial photographic compilation.

STATISTICS:

Sheet EX-B-48: Signals were located along 15.6 miles of shoreline and 1.6 statute miles of shoreline detail was located.

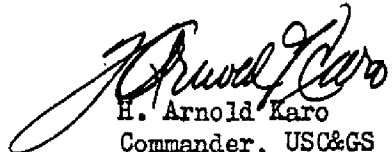
Sheet EX-D-48: Signals were located along 4.0 miles of shoreline.

Respectfully submitted,

*H. C. Applequist*  
H. C. Applequist  
Lt. Comdr., USCGS

*H. D. Nygren*  
H. D. Nygren  
Ensign, USCGS

Approved and forwarded.

  
H. Arnold Kero  
Commander, USC&GS  
Comdg. Ship EXPLORER

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SURVEY NO. T- 7116 a + b

### 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.



REVIEW OF T-7116a and b (1948) G.C.

Surveyed by - H. C. Applequist and H. D. Nygren

Ship EXPLORER

This survey has been already incorporated in the manuscript of unreviewed air photographic survey T-8632 (1949). Differences with that survey are discussed in the compilation report. There are no conflicts with H-7707 (1947-49), H-7708 (1948) or H-7713 (1948), and no further consideration by the Nautical Chart Branch is necessary.

One observation for the magnetic meridian on T-7116b shows a declination which is in agreement with the charted value.

December 22, 1950

G. F. Jordan

Inspected by: R. H. Carstens



# GEOGRAPHIC POSITIONS - TOPOGRAPHIC STATIONS

Located by Theodolite

to accompany

TOPOGRAPHIC SHEET FIELD NO. <sup>77162</sup> EX-B-48

O GERTY (Marked)		51	55	11.47	354.6 (1499.8)
		177	26	36.78	703.0 (443.7)
O RAG d.m.		51	55	32.13	993.1 (861.3)
		177	30	51.99	993.6 (152.9)
O POT d. nm.		51	54	36.08	1115.2 (739.2)
		177	28	35.44	677.4 (469.5)

These stations were located by three-point fixes and theodolite cuts with accuracy less than that of third order triangulation and should not be considered as triangulation.

*Computations filed with H-7713*