U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Graphic Control</th>
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<tr>
<td>Type of Survey</td>
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<tr>
<td>EX - D - 48</td>
</tr>
<tr>
<td>Field No.</td>
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LOCALITY

<table>
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<tr>
<td>ALASKA</td>
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<table>
<thead>
<tr>
<th>General locality</th>
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<tr>
<td>ALEUTIAN ISLANDS</td>
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<table>
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<tr>
<th>Locality</th>
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<tbody>
<tr>
<td>SOUTHEAST COAST - YISKA ISLAND</td>
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<table>
<thead>
<tr>
<th>194 E</th>
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<td>CHIEF OF PARTY</td>
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<tr>
<th>F. R. T. Siems</th>
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LIBRARY & ARCHIVES

<table>
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<tr>
<td>MAR 16 1949</td>
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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-P-48

REGISTER NO.

State ALASKA

General Locality ALEUTIAN ISLANDS

Locality SOUTH COAST KISEA ISLAND

Scale 1:20,000 Date of survey June 1948

Vessel USCGSS EXPLORER

Chief of party F. E. 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

Original 3 February 1938

Instructions dated Supplemental 10 February 1948

Remarks: Project Cs-21£
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. 3-3-45

REGISTER NO.

State ALASKA

General Locality ALEUTIAN ISLANDS

Locality KISKA ISLAND - GRATITUDE COVE

Scale 1:10,000 Date of survey June, 1945

Vessel USCGS EXPLORER

Chief of party R. D. A. SIGNS

Surveyed by R. D. NYGREN

Inked by R. D. NYGREN

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Original 3 February 1938

Instructions dated Supplemental 10 February, 1948

Remarks: 08 - 218
DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEETS FIELD NO.'S EX-E-48 & EX-D-48
South Coast Kiska Island - Alaska
Project GS-218
1948

INSTRUCTIONS:

These surveys were executed in accordance with Original
Instructions dated 3 February 1938; and Supplemental Instructions
dated 10 February 1948, Project GS-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. EX-E-48, on a scale of 1:20,000 covers
the south shore of Kiska Island from Longitude 177°21.9' to Longitude
177°36.2', with the exception of Gertrude Cove.

Sheet Field No. 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 triangulation,
N.A. 1927 Datum; and triangulation executed in 1947 based on the ad-
justed triangulation but not itself adjusted. In addition, two marked
topographic stations, GERRY 1948 and HAG 1948 were located with a theodo-
lite 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.

SURVEY METHODS:

Standard topographic methods were used throughout with the
exception of that section west of triangulation station INDI 1947.
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, shown in the insert of Sheet Field No. EX-E-48, 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 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. 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-E-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
Lt. Comdr., USCG

H. D. Nygren
Ensign, USCG
Approved and forwarded.

H. Arnold Karo
Commander, USCGGS
Comdg. Ship EXPLORER
# Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
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</thead>
<tbody>
<tr>
<td>8/13/51</td>
<td>9124</td>
<td>Piegari</td>
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</table>

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
GEOPHYSICAL POSITIONS - TOPOGRAPHIC STATIONS

Located by Theodolite
to accompany

TOPOGRAPHIC SHEET FIELD NO. EX-B-4B

<table>
<thead>
<tr>
<th>Station</th>
<th>d.m. F</th>
<th>d.m. G</th>
<th>d.m. H</th>
<th>d.m. I</th>
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<tbody>
<tr>
<td>GERTY</td>
<td>51 55</td>
<td>11.47</td>
<td>354.6</td>
<td>1499.8</td>
</tr>
<tr>
<td>(Marked)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Described)</td>
<td>177 26</td>
<td>36.78</td>
<td>703.0</td>
<td>443.7</td>
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<tr>
<td>RAG</td>
<td>51 55</td>
<td>32.13</td>
<td>993.1</td>
<td>861.3</td>
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<tr>
<td></td>
<td>177 30</td>
<td>53.99</td>
<td>993.6</td>
<td>152.9</td>
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<tr>
<td>PCT</td>
<td>51 54</td>
<td>36.05</td>
<td>115.5</td>
<td>739.2</td>
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<tr>
<td></td>
<td>177 28</td>
<td>35.44</td>
<td>677.4</td>
<td>469.5</td>
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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 M-7713