**Diag. Cht. No. 8865**

**Form 504**

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>TOPOGRAPHIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>EX-C-45</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-7007a</td>
</tr>
</tbody>
</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Alaska - Aleutian Islands</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Attu Island</td>
</tr>
<tr>
<td>Locality</td>
<td>Abraham Bay</td>
</tr>
</tbody>
</table>

**1945**

CHIEF OF PARTY

R.D. Horne

**LIBRARY & ARCHIVES**

DATE Feb. 11, 1946
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-0-45**

REGISTER NO. T-700 7a.

State ............................... **Alaska—(Aleutian Islands)**

General locality  ....... **Attu Island**

Locality ............................. **Abraham Bay**

Scale ............................. **1 : 20,000** Date of survey  .... **June & July, 1945**

Vessel .............................. **Ship EXPLORER**

Chief of party  ............... **Roland D. Horne**

Surveyed by ....................... **Raymond M. Stone**

Inked by .......................... **Raymond M. Stone**

Heights in feet above **MHW** to ground **Flood**

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

Instructions ........... **For Project CS-216**

**Supplemental Instructions for Proj. No. 5**

dated 16 May 1944
DESCRIPTIVE REPORT
To Accompany
GRAPHIC CONTROL SHEET T-7007a
Field No. Ex-C-45
ALEUTIAN ISLANDS, ATTU ISLAND,
ABRAHAM BAY

Ship EXPLORER R. D. Horne, Comdg.

AUTHORITY:

Original Instructions for Project GS-218.
Supplemental Instructions for Project No. 5, dated 16 May 1944,
submitted by the USCG&GS Liaison Officer, Com. 17, Adak, Alaska.

CONTROL:

Triangulation was done by the USCG&GS Ship EXPLORER during 1945.
The datum of this sheet is USN GANNET 1934.
This sheet joins with Graphic Control Sheet (Ex-E-45) on the east
and with Graphic Control Sheet (Ex-D-45) on the west.

METHODS:

Standard topographic methods were used in locating all signals.
All signals within the limits of this sheet were located by means
of three or more planetable cuts from various triangulation stations or
from planetable setups located by resection.

No traverse was run as good control by resection was found at
all points where it was necessary to locate the table.

ERRORS:

No discrepancies were noted in regards to the intersections of
planetable cuts used in determining signal locations.
TOPOGRAPHIC FEATURES:

The shoreline within the limits of this sheet, except as noted below, is adequately covered by air photographs taken during 1945 on a scale of approximately 1 to 10,000, by the U. S. Navy, stationed on Attu Island.

Inadequate coverage was found on these air photographs regarding the southwesterly tip of Mikhail Point, and the rock awash, (same as triangulation station RAW 1945), located 3.2 miles eastnortheast of Mikhail Point and 500 meters south of the northwest shore of Abraham Bay.

Station RAW 1945, the rock awash as mentioned above, was located by means of triangulation and its position then plotted on this sheet. No other topographic features lie in the immediate vicinity of this station.

The areas that are not shown on the 1 to 10,000 scale air photographs as mentioned above, are covered by the 1 to 26,000 scale air photographs taken during 1943, by the U. S. Navy, stationed on Attu Island.

During the 1945 season, arrangements were made with the U. S. Navy on Attu Island, to photograph the outer tip of Mikhail Point as well as the area recommended in the descriptive report on Graphic Control Sheet No. (Fz-D-45).

By the close of the 1945 season, the areas as mentioned above, still had not been photographed due to unfavorable weather conditions.

CONTROL FOR AIR PHOTOGRAPHS:

The air photographs taken during 1945 on a scale of approximately 1 to 10,000, covering shoreline within the limits of this sheet, were field inspected by this vessel during the 1945 season.

Adequate control was pricked on each air photograph.
CONTROL FOR AIR PHOTOGRAPHS: (Cont.)

During the 1945 season, all triangulation stations and most topographic and hydrographic signals had been established in the area within the limits of this sheet before the 1 to 10,000 scale air photographs were taken. As a result, adequate control was more easily identified and more accurately pricked on each photograph inspected.

RECOVERABLE TOPOGRAPHIC STATIONS:

The following planetable position has been described on Form #524, (Description of Recoverable Hydrographic or Topographic Station):

SOL Lat. 52° 52' 1630 meters (-186m.)
Long. 172° 40' 1058 meters (-83m.)

Topographic station SOL is also described on Form #567, (Landmarks For Charts).

No further recoverable topographic stations are involved since existing triangulation stations are spaced at less than 1-mile intervals along the coastline.

MAGNETIC DECLINATION:

A declinatoire observation was made with declinatoire No. 254 at each of the following stations: HIB 1945, BRA 1945 and HAIL 1945. The value obtained at each of the above stations is respectively, 03° 20' E, 02° 50'E, and 03° 05'E, which agree fairly well with what was expected.

A transit magnetometer observation was made at triangulation station MARY 1945.

The error pertaining to declinatoire No. 254 is not known at the present time, however, this declinatoire has been checked and the results forwarded to the Washington Office. A copy of the report on "Standardization of Declinatoire" is attached hereto.
PREVIOUS SURVEYS:
There are no previous surveys covering this locality.

GEOGRAPHIC NAMES:
No additional geographic names are involved.

LANDMARKS:
The following landmark for charts was selected:
L.7 (1946) WATERFALL, approx. 80 feet in height, on northwest shore of
Abraham Bay, 2.5 miles eastnortheast of Mikhail Point; same as topographic
station SOL.

For position of the above landmark, refer to Form 567 "Landmarks
For Charts", a duplicate of which is attached hereto.

STATISTICS:
18.2 statute miles of shoreline (graphic control).

Respectfully submitted,

Raymond M. Stone,
Lieut. USCGS

Approved and Forwarded,

Roland D. Horne,
Cmdr. USCGS,
Comdg. Ship EXPLORER
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks, be charted on the charts indicated.

The positions given have been checked after listing.

<table>
<thead>
<tr>
<th>General Locality</th>
<th>Name and Description</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Location</th>
<th>Date of Location</th>
<th>Charts Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aleutian Islands</td>
<td>WATERFALL (topographic sta. 801)</td>
<td>52° 52'</td>
<td>1630.0</td>
<td>17° 40'</td>
<td>Datum 1934</td>
<td>July 1945</td>
<td>9198</td>
</tr>
<tr>
<td></td>
<td>(located on NW shore of Abraham Bay,</td>
<td></td>
<td></td>
<td></td>
<td>Topography</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2½ miles ENE of Mikhail Point)</td>
<td></td>
<td></td>
<td></td>
<td>Control Sheet</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Location of waterfall as listed above, supersedes location of waterfall shown on CGS chart 9198 at Lat. 52° 52' 7", Long. 17° 40' 16".

8.7 (1946)
STANDARDIZATION OF DECLINATOIRES

1945 Field Season

Project 65--212

Ship EXPLORER

R. D. Horns, Comdg.

In connection with the graphic control work done on Project 65--212 on Attu Island and Shuyak Island of the Aleutian Islands, during the 1945 season, declinatoire No. 254 was used throughout.

According to the records, no standardization was made of declinatoire No. 254 at the close of the 1944 season, nor at the beginning of the 1945 season.

On January 22, 1946, declinatoires (Nos. 252 & 254) were checked at magnetic station INGLEWOOD -- 1940, (Inglewood Park, Washington). Transit Magnetometer No. 39961 was also checked at this time. Two sets of observations were made with this transit magnetometer before and one set following the standardization of the declinatoires. As a result, the actual variation was determined to be 23° 00' East at the time the standardization was made.

Four readings were taken for the standardization of each declinatoire. The angles made with the true azimuth line were then scaled with a steel protractor, and the four values averaged. The resulting mean angle was applied to the true azimuth of the mark in each case to determine the value of magnetic north by declinatoire.

Following are the computations for each standardization:

Magnetic Station -- INGLEWOOD 1940 (King County, State -- Washington)
Lat. -- 47° 44'5" Long. -- 122° 15'0" Source -- 1940 Observations
Mark -- Water tank on skyline (near Richmond Highlands).

Date -- January 22, 1946 (Tuesday)

<table>
<thead>
<tr>
<th>Declinatoire #252</th>
<th>Declinatoire #254</th>
</tr>
</thead>
<tbody>
<tr>
<td>120th Meridian Time</td>
<td>(11:59)</td>
</tr>
<tr>
<td>True Azimuth of Mark</td>
<td>107° 31'</td>
</tr>
<tr>
<td>Mean of Measured Angle (4)</td>
<td>95 23</td>
</tr>
<tr>
<td>-(180 00)</td>
<td>-(180 00)</td>
</tr>
<tr>
<td>Magnetic North by declinatoire</td>
<td>22° 54' E</td>
</tr>
<tr>
<td>Actual Variation</td>
<td>23 00 E</td>
</tr>
<tr>
<td>Declinatoire Error</td>
<td>+ 06'</td>
</tr>
</tbody>
</table>

Respectfully submitted:

Raymond M. Stone
Lieut. USCGS

A. F. Balli
Lieut. Comdr. USCGS
Comdg. Ship EXPLORER
Shoreline Compilation T-7007a

The details shown in green have been added to this graphic control sheet from field inspected photographs. These photographs were completely field inspected; consequently, office interpretation was necessary in very few instances.

There are two sets of photographs available for this compilation - 1:10,000 and 1:26,000. The 1:10,000 Navy photographs were field inspected by R. M. Stone and J. E. Shultz in August 1945. They gave complete coverage for the area except at Mikhail Pt. This point was covered by photographs taken during the 1946 season. There was no field inspection made on the 1946 photographs.

No radial line plot was necessary because the triangulation and topographic stations on the control sheet were identified on the photographs at close enough intervals so that the detail could be projected directly. The hydrographic control stations Fat, Dop, Bag, and Ate were transferred from H-6866 for better control in the vicinity of Mikhail Pt. The detail was compiled in the projector on the 1:20,000 graphic control board in August 1947. Office interpretation with field inspection data has been applied with conventional symbols to shoreline and offshore features. Office interpretation only was used to compile the bluff line.

The accuracy of the compilation is in keeping with the graphic control and is considered of an accuracy not to exceed 1 mm. of its true horizontal position.

Reconciliation between this survey and H-6866 has been made and no appreciable conflicts were found.

Compiled by: Charles Thurer
C. Theurer

Approved by: L. C. Lande
L. C. Lande
<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Topographic</th>
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<tbody>
<tr>
<td>Ex-D-45</td>
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<tr>
<td>Field No.</td>
<td></td>
</tr>
<tr>
<td>Office No.</td>
<td>7007b</td>
</tr>
</tbody>
</table>

**LOCALITY**

- **State**: Alaska (Aleutian Islands)
- **General Locality**: Attu Island
- **Locality**: Etienne Bay

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**1945**

CHIEF OF PARTY

Roland D. Horne

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**LIBRARY & ARCHIVES**

**DATE**: Feb. 11 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. Ex-D-45

REGISTER NO. T-7007 b

State Alaska-(Aleutian Islands)

General locality Attu Island

Locality Etienne Bay

Scale 1:20,000 Date of survey June & July, 1945

Vessel Ship EXPLORER

Chief of party Roland D. Horne

Surveyed by Raymond M. Stone

Inked by Raymond M. Stone

Heights in feet above MHW to ground METEROMETERS

Contour, Approximate contour, Form line interval -- feet

Instructions ATTACH For Project GS-216, 19--

SUPPLEMENTAL INSTRUCTIONS FOR Proj. No. 5

dated 16 May 1944
AUTHORITY:
Original Instructions for Project CS-218.
Supplemental Instructions for Project No. 5, dated 16 May 1944, submitted by the USCGS Liaison Officer, Com. 17, Adak, Alaska.

CONTROL:
Triangulation was done by the USCGS Ship EXPLORER during 1945.
The datum of this sheet is USN GANNET 1944.
This sheet joins with Graphic Control Sheet (Ex-C-45) on the east
and with Graphic Control Sheet (Ex-F-45) on the west.

Triangulation station CLOUD 1945 and ET 1943 are one and the same. ET 1943 is the highest point of a prominent 2200-foot peak, located by means of hydrographic cuts from the Ship EXPLORER during 1943.
Triangulation station CLOUD 1945 was established on the highest point of the prominent peak mentioned above by this vessel during the 1945 season.

Triangulation stations HEAD 1945 and CLOUD 1945 represent the most westerly limit of the triangulation scheme observed during the 1945 season. However, a proposed triangulation scheme to the westward is described in the descriptive report pertaining to Graphic Control Sheet (Ex-F-45).

METHODS:
Standard topographic methods were used in locating all signals.
All signals within the limits of this sheet were located by means of three or more planetable cuts from various triangulation stations or from planetable setups located by resection.
No traverse was run as good control by resection was found at all points where it was necessary to locate the plane table.

**ERRORS:**

No discrepancies were noted in regards to the intersections of planetable cuts used in determining signal locations.

**TOPOGRAPHIC FEATURES:**

The shoreline on the east side of Etienne Bay, except for Mikhail Point, is adequately covered by air photographs on a scale of approximately 1 to 10,000, taken during 1945, by the U. S. Navy, Attu Island, shortly after most whitewash and tripod signals were built.

Inadequate coverage was found regarding these air photographs, pertaining to shoreline on Mikhail Point. However, the 1 to 25,000 scale air photographs taken during 1943, by the U. S. Navy, Attu Island, cover the entire area within the limits of this sheet.

During the 1945 season, arrangements were made with the U. S. Navy on Attu Island, to photograph the remaining shoreline west of ETI EAST BASE 1945 and the shoreline on Mikhail Point, on a scale of 1 to 10,000.

**CONTROL FOR AIR PHOTOGRAPHS:**

The air photographs taken during 1945 on a scale of approx. 1 to 10,000, covering shoreline on the east side of Etienne Bay, were field inspected by this vessel during the 1945 season.

Adequate control was pricked on the 1 to 10,000 scale air photographs.

**RECOVERABLE TOPOGRAPHIC STATIONS:**

The bench marks used in connection with the tide gage in vicinity of triangulation station ETI 1945 were located. Descriptions were furnished with the report on the installation of the gage. None of the bench marks are particularly good for hydrographic signals.
No recoverable topographic stations are involved since existing triangulation stations are spaced at approximate 1-mile intervals along the coastline.

**MAGNETIC DECLINATION:**

A declinatoire observation was made with declinatoire No. 254 at each of the following stations: HAIL 1945, RYE 1945, and HEAD 1945. The value obtained at each of the above stations is respectively 02° 54‘ E, 02° 30‘ E, and 02° 49‘ E, which agree fairly well with what was expected.

A transit magnetometer observation was made at triangulation station ETI EAST BASE 1945.

The error pertaining to declinatoire No. 254 is not known at the present time, however, this declinatoire has been checked and the results forwarded to the Washington Office. A copy of the report on "Calibration of Declinatoire" is attached hereto.

**PREVIOUS SURVEYS:**

There are no previous surveys covering this locality.

**GEOGRAPHIC NAMES:**

No additional geographic names are involved.

**LANDMARKS:**

The following landmark for charts was selected:

Perpendicular-sided TABLE - TOPPED SHELF, approximately 500 feet high, is located on the east shore of Etienne Bay, 1 1/2 miles from the head of bay. (Refer to Air Photograph No. 1-160 of the 1945 USN 1 to 10,000 scale air photographs, Attu Island.)

For the position of the above landmark, refer to Form #567, "Landmarks For Charts", a duplicate of which is attached hereto.
STATISTICS:
11.0 statute miles of shoreline (graphic control).

Respectfully submitted,

[Signature]
Raymond M. Stone,
Lieut. USCGS

Approved and Forwarded:

[Signature]
Roland D. Horne,
Comdr. USCGS,
Comdg. Ship EXPLORER
STANDARDIZATION OF DECLINATORES

1945 Field Season

Project CS-216

Ship EXPLORER

R. D. Horne, Cmndg.

In connection with the graphic control work done on Project CS-216 on Attu Island and Shemya Island of the Aleutian Islands, during the 1945 season, declinatoires No. 253 were used throughout.

According to the records, no standardization was made of declinatoire No. 254 at the close of the 1944 season, nor at the beginning of the 1945 season.

On January 22, 1946, declinatoires (Nos. 252 & 254) were checked at magnetic station INGLEWOOD - 1940, (Inglewood Park, Washington). Transit Magnetometer No. 3951 was also checked at this time. Two sets of observations were made with this transit magnetometer before and one set following the standardization of the declinatoires. As a result, the actual variation was determined to be 23° 00' East at the time the standardization was made.

Four readings were taken for the standardization of each declinatoire. The angles made with the true azimuth line were then scaled with a steel protractor, and the four values averaged. The resulting mean angle was applied to the true azimuth of the mark in each case to determine the value of magnetic north by declinatoire.

Following are the computations for each standardization:

Magnetic Station - INGLEWOOD 1940 (King County, State - Washington)
Lat. -- 47° 44'5" Long. -- 122° 15'0" Source -- 1940 Observations
Mark -- Water tank on skyline (near Richmond Highlands).
Date -- January 22, 1946 (Tuesday)

<table>
<thead>
<tr>
<th>120th Meridian Time</th>
<th>Declinatoire #252</th>
<th>Declinatoire #254</th>
</tr>
</thead>
<tbody>
<tr>
<td>(11:59)</td>
<td>(11:40)</td>
<td></td>
</tr>
<tr>
<td>True Azimuth of Mark</td>
<td>107° 31'</td>
<td>107° 31'</td>
</tr>
<tr>
<td>Mean of Measured Angle (4)</td>
<td>95  23</td>
<td>95  17</td>
</tr>
<tr>
<td></td>
<td>-(180  00 )</td>
<td>-(180  00 )</td>
</tr>
<tr>
<td>Magnetic North by declinatoire</td>
<td>22° 54' N</td>
<td>22° 48' N</td>
</tr>
<tr>
<td>Actual Variation</td>
<td>23  00 E</td>
<td>23  00 E</td>
</tr>
<tr>
<td>Declinatoire Error</td>
<td>+ 06'</td>
<td>+ 12'</td>
</tr>
</tbody>
</table>

Respectfully submitted:

Raymond M. Stone
Lieut. USCAGS

Approved - Forwarded:

A. P. Ratti
Lieut. Comdr. USCGS
Cmndg. Ship EXPLORER
I recommend that the following objects which have (marked) been inspected from seaward to determine their value as landmarks, be charted on (deleted from) the charts indicated. The positions given have been checked after listing.

<table>
<thead>
<tr>
<th>General Locality</th>
<th>Name and Description</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Location</th>
<th>Date of Location</th>
<th>Chart Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Perpendicular-sided</td>
<td></td>
<td></td>
<td></td>
<td>USN Air Gannet</td>
<td>1945</td>
<td>9198</td>
</tr>
<tr>
<td></td>
<td>Table-topped Shelf, Etienne Bay</td>
<td>52 53</td>
<td>1830</td>
<td>172 37</td>
<td>1055</td>
<td>Inspect.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Approx. 500 feet in elevation, on east shore of Etienne Bay, 1½ miles south of head of bay). (Refer to Air Photograph No. 1-160 of the 1945 USN 1 to 10,000 scale air photographs, Attu Island).</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Natural Bridge, Cape Wrangell</td>
<td>52 55</td>
<td>1154.1</td>
<td>172 26</td>
<td>349.4</td>
<td>Graphic Control</td>
<td>July 1945 X 9198</td>
</tr>
<tr>
<td></td>
<td>On NE′ly islet of group of large islets off Cape Wrangell, the westernmost extremity of Attu Island, same as topographic station SHOW.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Haystack Rock, North Shore Attu</td>
<td>53 00.3</td>
<td></td>
<td>172 45.4</td>
<td></td>
<td>Hydro. Gannet Out</td>
<td>1944 X 9198</td>
</tr>
<tr>
<td></td>
<td>(Approx. 20 feet in height, 5.2 miles west of Red Head, 350 meters south of HWL, on low flat strip of land approx. ½ mile wide, lying between shoreline &amp; inland mountains). (Same as hydro signal HAY). (Above position was scaled from Draft Sheet Ex-224). (It is recommended that this position be verified by referring to Smooth Sheet H-7016(1944).)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with 1934 Field Memorandum, “LANDMARKS FOR CHARTS.” The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.
Shoreline Compilation T-7007b

The details shown in green have been added to this graphic control sheet from field inspected photographs. The photographs that cover the east shore of Etienne Bay from Mikhail Pt. to triangulation station ETI, East Base were completely field inspected; consequently office interpretation was necessary in very few instances. The photographs from ETI, East Base to Etienne Point, while not field inspected as completely as desired, furnished enough information that office interpretation of the remaining details can be considered accurate.

There are two sets of photographs available for this compilation - 1:10,000 and 1:26,000. The 1:10,000 Navy photographs covering from Mikhail Pt. to ETI, East Base were field inspected by R. M. Stone in July 1945. The 1:10,000 photographs from ETI, East Base to Etienne Pt. were field inspected by A.L.W. in September 1946. They gave complete coverage of the area and were used in the compilation.

A radial line plot was used to bridge the areas between triangulation stations Soda and Ave and Ave and topographic station Coy.

Triangulation stations Soda, Ave and Tie and topographic stations Jet, Lbf, Mid, Sor and Coy were used in laying the plot.

The detail was compiled in the projector on the 1:20,000 graphic control board in August 1947. Office interpretation with field inspection data has been applied with conventional symbols to shoreline and offshore features. Office interpretation only was used in detailing the bluff line.

The accuracy of the compilation is in keeping with the graphic control and is considered of an accuracy not to exceed 1 mm. of its true horizontal position.

Reconciliation between this survey and H-6866 has been made and no appreciable conflicts were found.

Compiled by: C. Theurer

Approved by: L. C. Lande

This compilation has been applied to H-6866 (44-46). No further consideration by the Hydrographic Review Section is necessary.
<table>
<thead>
<tr>
<th>Name on Survey</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>K</th>
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<tbody>
<tr>
<td>Attu Island</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td>1</td>
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<tr>
<td>Abraham Bay</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Etienne Bay</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>8</td>
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</table>

Names underlined in red are approved.
DIVISION OF CHARTS
REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

Alaska-Aleutian Islands, Attu Island, Abraham and Etienne Bays
Surveyed in June and July, 1945
Scale 1:20,000
Project No. CS-218

Plane Table Survey
Aluminum Mounted

Chief of Party - R. D. Horne
Surveyed by - R. M. Stone
Inked by - R. M. Stone
Reviewed by - G. F. Jordan, February 28, 1950
Inspected by - R. H. Carstens

1. The control for the present survey is based on triangulation of 1945. The shoreline and foreshore detail in green were compiled in the Washington Office in 1947 from field-inspected air photographs, as discussed in the attached "Report on Shoreline Compilation".

2. Adequate junctions were effected with T-7006b (1945) on the east and with T-7008a (1945-46) on the west.

3. No prior surveys of the area were executed by this Bureau. The shoreline on Chart 9149 (print date of February 23, 1946) originates with an advance field compilation of the present survey (Bp. 40248). The charted shoreline is therefore subject to revision in order to conform to the office-compiled shoreline. No important discrepancies were noted during this review.

4. A comparison of the present survey with contemporary hydrographic surveys H-6866 (1945) and H-6868 (1945) reveals no conflicts.

5. The declinatoire observations revealed magnetic declinations which are within 1° of the charted value.
# Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<td>9149</td>
<td>L. A. Scaner</td>
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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.