

7034

Diag'd. on Diag. Ch. No. 8865

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. SU-C-46 Office No. T-7034

LOCALITY

State ALASKA, ALEUTIAN IS.

General locality ATTU I., ~~NEAR IS.~~

Locality ~~N. COAST ATTU I.~~, EARLE COVE to  
KRESTA POINT

1946

CHIEF OF PARTY

A. P. Ratti  
SURVEYOR

LIBRARY & ARCHIVES

DATE MAR 6 1947

7034

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

T7034

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-C-46

REGISTER NO. T-7034

State ALASKA, ALEUTIAN ISLANDS

General locality ATTU, <sup>Island</sup> NEAR ISLANDS

Locality N. COAST ATTU, EARLE COVE TO KRESTA POINT

Scale 1:10,000 Date of survey August, 1946

Vessel SURVEYOR

Chief of party A. P. Ratti

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 March 21, 1946

Remarks: GRAPHIC CONTROL SURVEY



Descriptive Report to Accompany

Topographic Sheet SU-C-46

Attu Island - Earle Cove to Kresta Point

Ship SURVEYOR, A. P. Ratti, Comdg.

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Instructions:

Basic Instructions for Project CS-218, dated February 3, 1938; Supplemental Instructions dated February 1, 1944 and January 29, 1945; and specific instructions for sub-project No. 30 issued by the Liaison Officer dated March 21, 1946.

Limits and Junctions:

The survey joins SU-B-46 at triangulation station RUTH on the east side of Earle Cove and extends westward to a junction with EX-A-46 at Kresta Point.

*T-7033b (1946)*

*T7031a (1946)*

General:

Standard methods of graphic control surveys were used in Earle Cove and short traverses were run from SARA to HUNT; HUNT to TERRY; and TERRY to KRES. Resection was possible on all traverses except the last.

The beach in Earle Cove is composed of fine sand and volcanic ash. A stream enters the cove at the southeast corner. There is a large run of salmon in this stream during July and August. There are two large rocks in the center of the cove and several small reefs inshore from them. A heavy kelp bed marks the limits of the reef.

The shore from the west side of Earle Cove to Kresta Point is fringed with black rock reefs, offlying rocks and heavy kelp beds. Only small boats should approach this shore and with caution.

Control:

Stations RUTH, SARA, HUNT, TERRY and KRES were located by ship-to-shore triangulation in July 1946 and furnish control for this survey.

*fourth order*



Place Names:

Kresta Point is a charted name.

Earle Cove is a name which appears on some Army Engineer maps of the area and is a name in common use by service personnel. 814 ✓

Landmarks for charts:

There are no conspicuous landmarks in the area covered by this survey. ✓

Air-Photos:

A special report on field inspection of air-photos will be submitted under separate cover. ✓

Respectfully submitted,

*Karl B. Jeffers*

Karl B. Jeffers, Lieut. Comdr.  
U.S. Coast & Geodetic Survey

Approved,

*A. P. Ratti*

Comdg. Officer  
U.S.C. & G.S.S. SURVEYOR

*This graphic control survey  
has been compared with  
contemporary hydrographic surveys.  
No further review by the  
Hydrographic Survey Section is  
necessary at this time*

*R.H. Carstens*

*7/21/47*

*Supplanted by review Sept. 30, 1948*



## Shoreline Compilation 7034

The details shown in green have been added to this graphic control sheet from field inspected photographs. These photographs, while not field inspected as completely as desired, have furnished enough information that office interpretation of the remaining details can be considered to be accurate. Where the hydrographic survey verification is subsequent to this compilation, any discrepancies that may occur should be brought to the attention of the Division of Photogrammetry and at that time more accurate interpretation may be determined in view of the additional information. *No discrepancies noted*

There are two sets of photographs available for this compilation - 1:10,000 and 1:26,000. The 1:10,000 photographs flown by Naval Air Station personnel based on Attu in 1945 and field inspected by A. P. Ratti, Chief of Party, in 1946, gave complete coverage for the area except for the outer rocks in Earle Cove and the east side of same cove. The outer rocks and east side of Earle Cove were field inspected by A. P. Ratti in 1946 on photograph 2V14-6 (scale 1:26,000) 1943.

The detail was compiled in the projector on the 1:10,000 Graphic Control Board in July, August 1947. All detail shown in green has been added from 1946 field inspected photographs. Topographic Stations Had, Fur, and Eva were not used as control in the compilation, however at least three control stations were held on all photographs in the projector. The following Triangulation Stations, Terry, 1946; Hunt, 1946; Sara, 1946; and Ruth, 1946 on the Graphic Control Board were used with Topographic Stations for control in the compilation.

The more generalized field inspection on the 1:26,000 photograph used in the compilation for the east side of Earle Cove did not agree with the field inspected 1:10,000 photographs joining it, however a compromise has been made favoring the 1:10,000 photograph field inspection.

Office interpretation with field inspection data has been applied with conventional symbols to shoreline and offshore features. Office interpretation was used in compiling the bluff line. No M.L.L.W. line was indicated on the photographs. *The shoreline where shown in green supersedes that shown in black. (Black shoreline has been deleted)*

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 with the exception of the east side of Earle Cove mentioned above.

Reconciliation between this survey and H-7142 has been made and no appreciable conflicts were found.

*Detailed by: D. G. Blankenship*

APPROVED BY:

Division of Photogrammetry  
Graphic Compilation Section

*Sept. 29, 1947*

*Field Inspection of Air Photographs by A. P. Ratti, Chief of Party  
The 1946 Season Report  
on the Survey, is filed in the Library as Acc. # 1946/132.*



DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-7034

FIELD NO. SU-C-46

Alaska-Aleutian Ids., Attu I., Earle Cove to Kresta Pt.  
Surveyed in August 1946 Scale 1:10,000  
Project No. CS-218

Plane Table Survey:

Aluminum Mounted:

Chief of Party - A. P. Ratti  
Surveyed by - K. B. Jeffers  
Inked by - K. B. Jeffers  
Reviewed by - T. A. Dinsmore, September 30, 1948  
Inspected by - R. H. Carstens

1. The shoreline has been transferred to this topographic sheet from field-inspected air photographs; the details of which are discussed in the report on Shoreline Compilation attached to the Descriptive Report. A formal review of the present survey is not considered necessary.
2. The junctions with T-7031a (1946) on the west and T-7033b (1946) on the east are very good.
3. The shoreline on Chart 9198 (Latest print date 6/16/47) originates with Corps of Engineers Quadrangles as shown on Blueprint 37851 (1943). Although the control for the charted shoreline is characterized as weak in Chart Letter 855 (1943), the geographic positions of the charted shoreline agrees remarkably well with the present survey. However, the shoreline on this small-scale chart is very generalized and lacks the detail of the larger-scale present survey. The present shoreline is adequate to supersede the charted shoreline.
4. The declinoire reading taken at station HUNT (lat. 53° 00.55', long. 172° 41.10') on the present survey is in substantial agreement with charted values.



# GEOGRAPHIC NAMES

Survey No.

T-7034

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	
<u>Aleutian Islands</u>		(for title)							1
<u>Near Islands</u>	"	"							2
									3
<u>Attu Island</u>								USGB	4
<u>Bering Sea</u>								"	5
<u>Kresta Pt.</u>								"	6
<u>Earle Cove</u>									7
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Names underlined in red are  
approved. 9/30/48 L. H. Beck