

6973a

Diag. Cht. No. 8865-1

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

~~Graphic Control~~

Field No. EX-1111 - 44 Office No. 6973a

LOCALITY

State ALASKA - Aleutian Islands

General locality ~~Aleutian Islands~~, Attu Island

Locality Holtz Bay to Steller Cove

1944

CHIEF OF PARTY

Roland D. Horne

LIBRARY & ARCHIVES

FEB 2 - 1945

DATE

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 "H" 44

REGISTER NO. **T6973** a ~~Graphic Control~~

State ALASKA - Aleutian Islands

General locality ALEUTIAN ISLANDS, ATTU ISLAND

Locality HOLTZ BAY to STELLER COVE

Scale 1:20,000 Date of survey September, 1944.

Vessel Ship EXPLORER

Chief of party Roland D. Horne

Surveyed by Howard S. Cole

Inked by Howard S. Cole

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated July 31 and August 14,, 1944.

Remarks: _____

REG. NO. **T6973** a ~~Graphic Control~~

DESCRIPTIVE REPORT
TO ACCOMPANY
GRAPHIC CONTROL SHEET "H"
HOLTZ BAY to STELLER COVE, ATTU ISLAND

AUTHORITY:

Instructions Project 13, Steller Cove and Approaches dated July 13, 1944, and instructions, Project 21, Holtz Bay and Approaches, dated August 14, 1944.

CONTROL:

Triangulation of 1944 by the Ship EXPLORER. The datum of this sheet is U.S.N. GANNET 1934.

METHODS:

Triangulation station "BRAD", is the only plotted control point on the sheet. "LIB" and "FOX", are triangulation stations of the Steller Cove scheme but their location is from the traverse as run from "BRAD", on this sheet.

Orientation at "BRAD", to start the traverse was obtained by using the orientation line "BRAD" to "COOP", as constructed on this sheet.

Standard methods were used but special attention was given to long orientation lines. All distances were measured by telemeter rod and none was greater than could be obtained by a one half rod reading. Cuts were taken at most every set-up on some prominent object, so as to keep check on the rod readings

and nearly all rod readings were read both forward and backwards.

CLOSING ERRORS:

No check is to be had on the distance. The only possible check is on the azimuth "LIB" to "PRIT", and this agrees very well with value obtained by a few sun shots.

TOPOGRAPHIC FEATURES:

The rocks awash and islets shown on this sheet were located by cuts while running the traverse and are not necessarily the limits of dangers.

AIRPHOTO CONTROL:

The signals labeled "WW42", "WW43", and "WW44", are white washed signals to be used for airphoto control. They were never assigned names and were not used on any hydrographic sheet. These identifying numbers correspond to the airphoto inspection notes.

REMARKS:

This sheet was executed primarily to furnish an approximate connection between the triangulation of HOLTZ BAY and that of STELLER COVE. The position of LIB, 1944 and the azimuth LIB, 1944 to PRIT, 1944 as scaled from this sheet was used to compute the STELLER COVE triangulation on approximately the U.S.N. GANNET 1934 datum.

LIB, 1944	Lat.	52°	59'	482.7 ^{800.0} meters
	Long.	172°	58'	1094.7 ^{660.6} meters
Azimuth LIB to PRIT		100°	12' 3 ⁵ 5"	38.5

STATISTICS:

Statute Miles traverse - - 9.0

Respectfully submitted,

Howard S. Cole

Howard S. Cole,
H. & G. Engr.,

APPROVED AND FORWARDED:

Roland D. Horne

Roland D. Horne,
Commanding Officer,
U.S.C. & G.S.S. EXPLORER.

ADDITIONS TO DESCRIPTIVE REPORT T-6973-A

Washington Office, May 15, 1945

Details shown in green on T-6973-A were compiled from air photographs in this office.

Photographs:

2V14-14 to 2V14-20, 2V16-52 at scale 1:26,000, dated 1943.

Field Inspection:

Photographs field inspected by planetable party. Field inspection covered the location of triangulation stations, hydrographic signals, shoreline, ledges, off-shore rocks and reefs, The entire sheet is covered by field inspection.

Compilation:

Compilation done by holding the hydrographic signals, triangulation or any other prominent landmarks shown on the planetable survey that could be identified on the photographs. Detail transferred from photographs by use of vertical projector.

Compiled by: K. N. Maki

Verified by: *L.C. Landy*

Note: T-6973-B - No additions applied from photographs.

T-6973-B is not covered by photos, is also far to the eastward near Atka Island.

Compiled by: K. N. Maki

Verified by: *L.C. Landy*

M.J. Jones

Photos gone to field

Inspected:

J.A. Mc Cormick
10/11/45.

GEOGRAPHIC NAMES

Survey No.

T6973a.

Name on Survey

	A	B	C	D	E	F	G	H	K	
	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		
<u>Aleutian Islands</u>			(for title)							1
<u>Attu Island</u>						S 25	725E	USG. B		2
<u>Steller Cove</u>						S 30	725E	"		3
<u>Holtz Bay</u>			(" -)			S 25	730E	"		4
<u>Austin Cove</u>										5
										6
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Names underlined in red approved

by L. Heck on 10/11/45

6973h

6973h

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. EX"J"- 43 Office No. 6973 b

LOCALITY

State ALASKA - Aleutian Islands

General locality Igitkin Island
Aleutian Islands

Locality Shelter Cove
Andreanof Islands - Igitkin Pass

194 4

CHIEF OF PARTY

G. C. Mattison

LIBRARY & ARCHIVES

DATE FEB 2 - 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. T6973 b

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 J-43**

REGISTER NO. **T6973 b**

State **Alaska - Aleutian Islands**

General locality **Igitkin Island**
Aleutian Islands

Locality **Shelter Cove**
Andreanof Islands - Igitkin Pass

Scale **1:5,000** Date of survey _____, 19 **43**

Vessel **EXPLORER**

Chief of party **G. C. Mattison**

Surveyed by _____

Inked by **H. C. Parsons**

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated _____, 19____

Remarks: _____

January 20, 1945

To: The Director,
U. S. Coast and Geodetic Survey

From: Officer in Charge,
Seattle Processing Office

Subject: Topographic work on other side of topographic
sheet, EX H-44, Attu Island.

On the back of topographic plate EX H-44 (Attu Island), there is the beginning of EX J-43, a sheet laid out for Igitkin Pass in the Adirondack Islands. The work was suspended when the EXPLORER was given another assignment.

The party on the EXPLORER did not turn this in as a topographic sheet, but it was felt that the small amount of work done might be of some value in reducing the photographs of this area. (826)

If it is decided to give this work a registry number, it would be appreciated if you would inform me what number is assigned.

No report was submitted for this work by the party on the EXPLORER.

F. H. Hardy

Officer in Charge
Seattle Processing Office.

ADDITIONS TO DESCRIPTIVE REPORT T-6973-A

Washington Office, May 15, 1945

Details shown in green on T-6973-A were compiled from air photographs in this office.

Photographs:

2V14-14 to 2V14-20, 2V16-52 at scale 1:26,000, dated 1943.

Field Inspection:

Photographs field inspected by planetable party. Field inspection covered the location of triangulation stations, hydrographic signals, shoreline, ledges, off-shore rocks and reefs. The entire sheet is covered by field inspection.

Compilation:

Compilation done by holding the hydrographic signals, triangulation or any other prominent landmarks shown on the planetable survey that could be identified on the photographs. Detail transferred from photographs by use of vertical projector.

Compiled by: K. N. Maki

Verified by: *Lc Landy*

Note: T-6973-B - No additions applied from photographs.

T-6973-B is not covered by photos, is also
Compiled by: K. N. Maki *for to the eastward near*

Verified by: *Lc Landy* *Atka Island Alaska*

P. J. Jones

Inspected:

J. A. Mc Cormick
10/11/45.

GEOGRAPHIC NAMES

Survey No.

T69736

Name on Survey

	A	B	C	D	E	F	G	H	K	
	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		
<u>Aleutian Islands</u>										1
<u>Igithin Island</u>					515-755			USGB		2
<u>Shelter Cove</u>					"			"		3
										4
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										27

Names underlined in red approved
by L. Heck on 10/1/45

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-6973a

FIELD NO. EX-H-44

Alaska-Aleutian Islands, Attu Island, Holtz Bay to Steller Cove
Surveyed in September 1944 Scale 1:20,000
Instructions dated July 31 and August 14, 1944

Planetable Survey

Aluminum Mounted

Chief of Party - Roland D. Horne
Surveyed by - Howard S. Cole
Inked by - Howard S. Cole
Reviewed by - I. M. Zeskind, November 29, 1948
Inspected by - R. H. Carstens

1. The control for the present survey is based on triangulation station BRAD (1944) and an azimuth to triangulation station COOP (1944). All other signals were located by a stadia traverse from station BRAD to signal FOX. Triangulation to the westward connecting signal FOX with the main triangulation scheme has not been adjusted at the present time. Additional discussion of the control is contained in the Descriptive Report of T-7009 (1945).
2. The junctions with T-6972b (1944) on the east and T-6971a (1944) on the west are satisfactory.
3. A comparison of the present survey with H-6867 (1945) reveals no discrepancies in shoreline or low-water detail.
4. There are no prior topographic surveys of Attu Island by this Bureau. The shoreline on Chart 9198 (Latest print date 6/16/47) originates with the Corps of Engineers quadrangles as shown on Blueprint 37851 (1943). Although Chart Letter 885 (1943) describes the control for the charted shoreline as weak, remarkable agreement in azimuth and geographic position exists between the charted and present surveys. However, the shoreline on the small-scale chart is generalized and lacks the detail shown on the present large-scale survey. The present shoreline is adequate to supersede the charted shoreline.

5. Graphic Control Survey T-7009 (1945) which shows only signals and inshore rocks, covers the area of the present survey.

NAUTICAL CHARTS BRANCH

SURVEY NO. T.69736

Record of Application to Charts

[illegible]

M-21

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.