

6917 a.&b

Diag. Cht. No. 8862

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	TOPOGRAPHY
Field No.	"H" & "D" Office No. T-6917a &b
LOCALITY	
State	Alaska (Aleutian Islands)
General locality	Atka Island
Locality	Head of Korovin Bay
194 3	
CHIEF OF PARTY	
Elliott B. Roberts	
LIBRARY & ARCHIVES	
DATE	October 10, 1944

B-1870-1 (1)

6917 a.&b

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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.

"H"

Field Letter
T-6917a

REGISTER NO.
Alaska (Aleutian Islands)

State.....
Atka Island

General locality.....
Head of Korovin Bay

Locality.....
1 : 20,000 June 11 to 17 43

Scale..... Date of survey....., 19
M.V. E. LESTER JONES

Vessel.....
Elliott B. Roberts

Chief of Party.....
Raymond M. Stone

Surveyed by.....
Raymond M. Stone

Inked by.....
high water XXXXXXXXXXXXXXXX

Heights in feet above..... to ground to tops of trees

Contour Approximate contour Form line interval..... feet
Feb. 3, 1938

Supplemental Instructions: Mar. 1, 1938, Apr. 3, 1939
Instructions dated June 7, 1939, May 8, 1940
XXXXXXX

Remarks:.....
Revised Instructions: Apr. 16, 1943, Apr. 19, 1943

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form,
filled in as completely as possible, when the sheet is for-
warded to the Office.

Field No. D

REGISTER NO. T-6917 b

State Alaska

General locality Aleutian Islands

Locality North Coast Atka Island, Koryuof Pt. to Island Pt.

Scale 1:20,000 Date of survey June & July, 19 43

Vessel E. LESTER JONES

Chief of party Elliott R. Roberts

Surveyed by E. B. Brown & R. M. Stone

Inked by E. B. Brown & R. M. Stone

Heights in feet above high water to ground ~~to tops of trees~~

~~Contour, Approximate contour~~, Form line interval 100 feet

Instructions dated 2/3/38 - 3/1/38 - 4/3/39, 19 43
6/7/39 - 5/8/40 - 4/16/43 - 4/19/43

Remarks:

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET
FIELD NO. H T-69172 (1943)
ALASKA, ALEUTIAN ISLANDS, ATKA ISLAND,
HEAD OF KOROVIN BAY

INSTRUCTIONS: Original-----Feb. 3, 1938
Supplemental---Mar. 1, 1938, Apr. 3, 1939
June 7, 1939, May 8, 1940
Revised-----Apr. 16, 1943, Apr. 19, 1943

GENERAL DESCRIPTION OF COAST: The eastern shore of Korovin Bay consists of a sandy beach upon which landings are comparatively easy. In rough weather landings are best made near the mouth of the stream at the south end of this beach. The terrain along the eastern shore is comparatively flat for approximately 1/4 of a mile inland, and is covered with a thick growth of tundra.

The north and south shores are in general large boulders. Steep bluffs are found on the south shore between signal Front and a point 1/2 mile southwest of Front; also on the north shore between signals Von & Nix and again between signals Bat & Kim.

The remaining areas along the shoreline, in general, are covered with grass.

Time did not permit the completion of the survey north of signal Fla. The portion of shoreline not surveyed is that of a large lagoon.

CHARACTER OF CONTROL USED: The nine triangulation stations as shown on the topographic sheet were used as control. They were so situated that a three point fix was usually possible, thus making a continuous check on the traverse run. This sheet joins with sheet T6918a⁽¹⁹⁴³⁾ at the west end and with the USN sheet pertaining to Martin Harbor at the south end. It was requested that the signals used by the USN (1943) be located at this time. Unfortunately all the USN signals along the east shore had been destroyed and hence not located on this sheet.

GEOGRAPHIC NAMES: No additional geographic names are involved.

MAGNETIC MERIDIAN: One determination of the magnetic meridian is shown on the sheet with declinatoire No. 251. A compass -declinometer observation was made at triangulation station MARTIN (USN) 1943.

Copy of report "Calibration of Declinatoires" is attached.

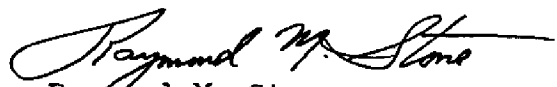
PREVIOUS SURVEYS: There are no previous surveys covering this locality other than the preliminary work done by USN under the supervision of Comdr. W. L. Scaife during April 1943.

LANDMARKS: No additional landmarks are involved.

List of signals located outside of the High Water Line are as follows:

<u>NAME</u>	<u>OBJECT</u>
BREAK	Rock awash at M. L. W.
DAN	Small 4 ³ foot rock
JAP	Large black boulder near shore line
SING	Flat 3 foot rock
VON	Easterly of two black boulders

Respectfully submitted.


Raymond M. Stone
Lieut. (jg)
U. S. Coast & Geodetic Survey

Forwarded: Approved:

Elliott B. Roberts,
Lieut. Comdr., Ch. of Party
Comdr. MV E LESTER JONES

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET
FIELD NO. D - REGISTER NO. 6917b (1943)

INSTRUCTIONS: Original----- Feb. 3, 1938
Supplemental-- Mar. 1, 1938; Apr. 3, 1939
June 7, 1939; May 8, 1940
Revised----- Apr. 16, 1943, Apr. 19, 1943

CONTROL was by second and third order triangulation
and topographic stations located by theodolite cuts.

SURVEY METHODS were standard methods described in the
Topographic Manual. In general, the signals were
located by plane table cuts and by stadia distances.
Stadia traverses were run between Poor and Gale, 1943
and between Ack and Earl; the closing errors were
negligible and no adjustments were necessary.

DESCRIPTION OF COAST: The shores of Wall Bay are steep
rock bluffs with numerous rocks along shore. There are
several rocks extending off the northeast point in
vicinity of signal Cap; this point rises to a sharp
ridge extending to the southeast. A 690 foot grassy
hill is on the point south of Signal Ibex; there are
a grassy island and several small rock islands off
this point.

The point of the western side of Blue Fox Bay is
rugged, rising sharply to a mountain with three peaks;
the western highest peak 1485 feet in elevation.

The shores of Blue Fox Bay and Island Point are
rocky bluffs and boulders with numerous offlying rocks.
Island Point resembles an island from offshore.

FORM LINES were verified by offshore observations.
They were not completed on this sheet.

GEOGRAPHIC NAMES: The following names were assigned
by the field party:

WALL BAY; named because the western shore is a
high rock wall.

ISLAND POINT; named because it resembles an island when seen from offshore. 8 1/4

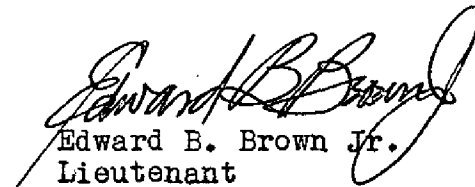
Other names shown on the sheet are charted names.

LANDMARKS: The only landmarks in this area are the peaks and pinnacles shown on the sheet.

MAGNETIC MERIDIANS were drawn on the sheet with declinatoire No. 251. 150th Meridian time was used for these observations. A copy of report "Calibration of Declinatoires" is attached.


All signals outside the high water line are rocks. Elevations are shown in red alongside signal names.

Respectfully submitted,



Edward B. Brown Jr.
Lieutenant
U. S. Coast & Geodetic Survey

Forwarded: Approved:



Elliott B. Roberts,
Lieut. Comdr., Ch. of Party.
Comdr., MV E LESTER JONES.

STANDARDIZATION OF DECLINATOIRES

Season 1943

M. V. "E. LESTER JONES"

ELLIOTT B. ROBERTS, COMMANDING

Declinatoires (Nos. 202 & 251), used on Project No. CS 218 and on the special project in Excursion Inlet, SE Alaska, were checked at magnetic station Inglewood - 1940 (Inglewood Park, Washington). following the close of the 1943 season.

No standardization of these two declinatoires was made at the beginning of this season.

The mark used was the center of ball at top of flagpole at Inglewood Golf Club. More distant objects were not visible at the time.

Four readings were taken for the standardization of each instrument. The angles made with the true azimuth line were then scaled with a steel protractor, and the four values meaned. The resulting mean angle was applied to the true azimuth of the mark in each case to determine the value of magnetic north by declinoaire. No magnetic values for the station are known, therefore, the computations are being submitted unfinished.

Following are the computations for each standardization:

Magnetic Station - INGLEWOOD 1940 (King County, State--Washington)
Lat. --47° 44:5 Long. -- 122° 15:0 N. A. 1927 Datum
Mark -- Center of ball at top of flagpole at Inglewood Golf Club
Date -- November 29, 1943 (Monday)

Declination -----

Diurnal Variation -----

Actual Variation -----

	Declinoaire #202	Declinoaire #251
105th Meridian Time -----	(14:55)	(14:31)
True Azimuth of Mark -----	141° - 48'	141° - 48'
Mean of Measured Angle (4) ----	61 - 27	61 - 23
	(-180 - 00)	(-180 - 00)
Magnetic North By Declinoaire-----	23° - 15'	23° - 11'
Actual Variation -----		

Declinoaire Error*-----

The Values Which are unknown are to be filled in by the Office and computations completed.

Respectfully Submitted:

Forwarded: Approved:

Elliott B. Roberts
Lieut. Comdr, Ch. Of Pty. ,
Comdg. , M.V. E. Lester Jones

Raymond M. Stone
Lieut. (jg)
U.S. Coast And Geodetic Survey

GEOGRAPHIC NAMES

Survey No.

T-6917 a & b

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	
Atka Island		520740				(BSGE)			1
Korovin Bay		"				"			2
Island Point		520745							3
Bluefox Bay (one word)		"							4
Wall Bay		"							5
Kovurof Point		"							6
									7
									8
									9
									10
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NAME MODIFIED IN RES. APP. 10
by L. Hecht on 12/11/44

DIVISION OF CHARTS

REVIEW SECTION - SURVEYS BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. 6917a&b

Field No. H and D

Alaska, Aleutian Islands, Atka Island,
Head of Korovin Bay and Kovurof Point to Island Point
Surveyed in June and July 1943; scale 1:20,000
Instructions dated February 3, 1938, etc.
(Project 218)

Plane Table Survey

Aluminum Mounted

Chief of Party - Elliott B. Roberts
Surveyed by - E. B. Brown and R. M. Stone
Inked by - E. B. Brown and R. M. Stone
Reviewed by - Harold W. Murray
Inspected by - H. R. Edmonston, December 8, 1944

1. Junctions with Adjacent Surveys

The junctions with T-6918a, T-6950, T-6919 and
T-6920 of 1943 are satisfactory.

2. Comparison with Prior Surveys

No prior surveys are registered in this area.

3. Comparison with Chart 9136 (New Print date 10-25-43)

Charted topography originates with B/P 37488 and
37489 (1943) which are advance information of the
present survey. This information is superseded by
the present survey; however, mention is made of the
following charted rocks which fall in the vicinity
of T-6917b:

Bare rock	Lat. 52°05.36'	Long. 174°53.97'	50.68'
" "	05.90'		45.04'
Rocks awash (two)	05.73'		45.17'
Rock awash	06.90'		

The above rocks are not shown on the present survey
but may originate with the accompanying hydrographic

*Bare rk this
position on Survey
AFS
7/13/45
error on b.p.
not on H-6847 etc*

survey which has not yet been received in this office. For the present these rocks should be retained on the chart until the hydrographic survey is received and reviewed. At that time a definite decision as regards future charting will be made.

The magnetic meridian observations agree closely with the charted value.

4. Compliance with Project Instructions

Satisfactory.

5. Condition of Survey

Satisfactory.

6. Additional Field Work Recommended

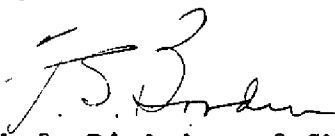
This is an excellent survey and no additional field work is necessary.

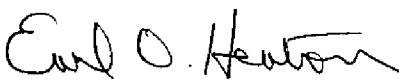
7. Superseded Surveys


None.

Examined and approved:


Chief, Surveys Branch


Chief, Division of Charts


Chief, Section of Hydrography


Chief, Division of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. 6917

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.