

6920

Diag. ch. No. 8862

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHY

Field No. C Office No. T-6920

LOCALITY

State Alaska

General locality Aleutian Islands - Alaska

Locality Bechevin Pt. to Kovurof Pt  
North Coast Atka Island

194 3

CHIEF OF PARTY

Elliott B. Roberts

LIBRARY & ARCHIVES

DATE October 10, 1944

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.

Field No. C

REGISTER NO. T-6920

State Alaska

General locality Aleutian Islands - Atka Island

Locality Bechevin Pt. to Kovurof Pt.  
~~North Coast Atka Island~~

Scale 1:20,000 Date of survey June - Aug, 19 43

Vessel E. LESTER JONES

Chief of party Elliott B. Roberts

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

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

Heights in feet above high 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  
6/7/39 - 5/8/40 - 4/16/43 - 4/19/43

Remarks:



DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET  
FIELD NO. C - REGISTER NO. T-6920

*Proj. CS 218*

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.

SURVEY METHODS were standard as used by this bureau. Signals were located by plane table cuts and in some cases, stadia distance. A stadia traverse was run between Sob and Camel 1943; the closing error was negligible and no adjustment was necessary.

DESCRIPTION OF COAST: Bechevin Point is rocky with two prominent grassy hills: one south of Head 1943 and one south of Joe. The shores of Podsopochini Bay are rocky and foul. Podsopochini Point is rocky with many offlying rocks and thick kelp. There are small islands off either side of the point. The point rises to a tall peak, the top of which is an east-west ridge.

The shores of Kovurof Bay are in general pebbles and small boulders with grass near the shore.

Kovurof Point is rocky with tall pinnacles along-shore and off-shore. It rises sharply to a grassy shelf on which Camel 1943 is situated then to a 1320 foot sharp peak.

FORM LINES were verified by offshore observations. they ~~xxx~~ were not completed on this sheet.

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

PODSOPOCHNI BAY; named because it is the first bay west of Podsopochni Point.

KOVUROF POINT; named because it is the first point west of Kovurof Bay.

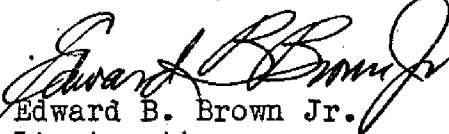
Other names shown on sheet are charted names.

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

MAGNETIC MERIDIANS were drawn on the sheet with declinatoire No. 202, except, at Lacey, declinatoire no. 251 was used. The time used was 150th Meridian. A copy of report "Calibration of Declinatoires" is attached.

All signals outside the highwater 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 measured. 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. 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. -- $47^{\circ} 44' 30''$  Long. --  $122^{\circ} 18' 10''$  T. 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 -----

	Declinatoire #202	Declinatoire #251
1927 Meridian Time -----	(14:35)	(14:31)
True Azimuth of Mark -----	141 - 49'	141 - 49'
Mean of Measured Angle (4) -----	61 - 27	61 - 27
	(-130 - 00)	(-130 - 00)
Magnetic North by Declinatoire-----	25 - 15'	25 - 11'
Actual Variation -----		

Declinatoire 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 H. Stone  
Lieut. (jg)  
U.S. Coast And Geodetic Survey

# GEOGRAPHIC NAMES

Survey No.

T-6920

Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Atka Island</u>		520740					(USGB)			1
<u>Kovurof Point</u>		520745								2
<u>Kovurof Bay</u>		"								3
<u>PodsoPOCHNI Point</u>		"								4
<u>PodsoPOCHNI Bay</u>		"								5
<u>Bechevin Point</u>		520750								6
										7
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RECEIVED  
L. Heck on 12/11/44

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-6920

FIELD NO. C

Alaska, Aleutian Is. - Atka I., Bechevin Pt. to Kovurof Pt..  
Surveyed June - Aug. 1943 Scale 1:20,000  
Project No. CS-218

Plane Table Survey

Aluminum Mounted

Chief of Party - E. B. Roberts  
Surveyed by E. B. Brown and R. M. Stone  
Inked by - E. B. Brown and R. M. Stone  
Reviewed by - R. H. Carstens, Aug. 29, 1946  
Inspected by - H. W. Murray

1. Adjoining Surveys

The junctions with T-6917 b (1943) on the northeast and T-6921 (1943) on the west are satisfactory.

2. Comparison with Prior Surveys

No prior surveys by this Bureau are registered in this area.

3. Comparison with Chart 9137 (Latest print date 1/12/46)

The charted topography originates with the present survey before verification and review. No inland topographic details are charted on this chart. The gravel beach in Kovurof Bay has not been charted.

Declinatoire observations of the magnetic meridian are in satisfactory agreement with the charted value.

4. Condition of Survey

Compliance with requirements of the Topographic Manual is excellent.


5. Compliance with Project Instructions

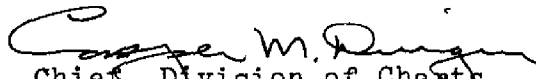
The survey adequately complies with the Project Instructions.

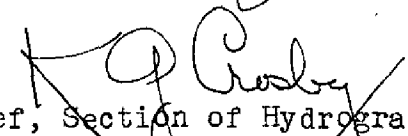
6. Additional Field Work Recommended

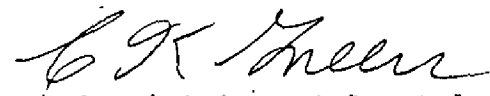
This is an excellent topographic survey and no additional field work is required.

Examined and approved:

  
Chief, Nautical Chart Branch

  
Chief, Division of Charts

  
Chief, Section of Hydrography

  
Chief, Division of Coastal  
Surveys



## NAUTICAL CHARTS BRANCH

SURVEY NO. 76920

### Record of Application to Charts

[illegible]

M.216A-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.