

6949

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Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. A Office No. 6949

LOCALITY

State Alaska-Aleutian Islands

General locality Adak Island

Locality Scabbard Bay

1943

CHIEF OF PARTY

C. D. Meaney

LIBRARY & ARCHIVES

DATE February 8, 1944

6949

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. A

REGISTER NO.

State ~~ALASKA~~

General locality Adak Island, Aleutian Islands.

Locality Scabhard Bay

Scale 1:10,000 Date of survey August, 19 43

Vessel M. V. PATTON

Chief of party C. D. Meaney

Surveyed by J. C. Bose

Inked by J. C. Bose

Heights in feet above M. H. W. to ground ~~topographic~~

Contour, Approximate contour, Form line interval _____ feet

Instructions dated (verbal) July 31, 1943.

Remarks: _____

16949

DESCRIPTIVE REPORT

to Accompany Topographic Sheet (Field) No. A
T- 6949 (1943)

Project CS-218

C. D. Meaney, Chief of Party

August, 1943

INSTRUCTIONS:

The survey was made in compliance with verbal instructions from Comdr. J. H. Peters, liaison officer at Adak, Alaska, issued July 31, 1943. ✓

LIMITS:

The sheet is a planetable survey of Scabbard Bay, Adak Island, and extends from a junction with Topographic Sheet L (1943) by the EXPLORER in longitude $176^{\circ} 34' W$, southward to the head of the bay, and eastward to longitude $176^{\circ} 30' 17''$. ✓

DESCRIPTION OF COAST:

With such exceptions as will be noted, all of the shore-line is rocky, steep, and bold. The land rises rapidly to elevations of several hundred feet at distances of 200 meters or less from the shore-line. ✓

In the northern part of the bay, there are many rocks, rocks awash, and sunken rocks close to the shore. The southern, narrow part of the bay has few such rocks. ✓

The land is all covered with the grass and moss characteristic of the Aleutian Islands, except for the highest hills and peaks, and the steep, rocky shore-line. ✓

From signal LOW to the stream near signal TRI, the shore, while rather bluff, is not as steep or high as the rest of the shore-line, and vegetation extends almost to the high water line. At the head of Scabbard Bay, in the vicinity of signal TRI, is a low, narrow valley traversed by a stream. The vegetation in this valley stands higher than that on the hills. ✓

There is also a low, grassy stretch of shore-line between signal BAR and the mouth of the nearby stream to the westward. This stream has a prominent waterfall about 150 meters upstream. A pipeline conducts fresh water from the fall to a grounded water barge 60 meters southeast of signal GUS and forms a convenient watering place for small and medium sized vessels.

CONTROL:

Adequate control was established before the topographic survey was begun.

Six triangulation stations fall within the limits of the sheet, as follows:

PIT	(U.S.N. 1934)
HALF	1943
HID	1943
BARD	1943
BOLD	1943
SCAB	1943

In addition to the regular stations, the following temporary signals were located by theodolite cuts with fourth order accuracy and served as additional control:

ABE	(white wash)
LOW	(white wash)
OUT	(white wash)
TRI	(tripod)

Signal LOW was marked with a standard hydrographic disk and is a recoverable point.

TRAVERSES:

Because of the adequate control, permitting three-point fixes, little traverse was required.

A traverse from triangulation station SCAB to signals ABE and OUT (previously determined by theodolite cuts) checked, and no adjustment was necessary.

A traverse run from triangulation stations HID to HALF failed to check by ten meters. It was run over again and a good check obtained.

INCOMPLETE WORK:

Lack of time did not permit the inclusion of form lines in the survey. The elevations of several hills and peaks were determined, and it is believed that these may be useful in the drawing of contours or form lines from aerial photographs. ✓

A rock awash near signal KAY was missed by the topographer. It was located by the hydrographic party. See Vol. 1, Sheet 1143, Page 52.

H-6917 (1943)

DECLINATOIRE OBSERVATIONS:

The magnetic meridian was drawn at four points, namely triangulation stations SCAB, HID, BARD, and topographic station LOW. ✓

The results are as follows:

<u>Station</u>	<u>Scaled Value</u>
SCAB	12° ⁰⁶ 18' E
HID	8 56' E
BARD	7 46' E
LOW	8 34' E

9°15' E charted.

The declinitoire was standardized at Seattle at station INGLEWOOD 1940 on November 29, 1943 at 14:50. The scaled value of the declination was 23° 12' E. ✓

J. C. Bose
J. C. Bose,
Topographer.

Approved:

C. D. Meaney
C. D. Meaney,
Chief of Party.

Topographic Sheet (Field) No. A

STATISTICS

Statute Miles of Shore-line -- 7.1

Area, Square statute miles -- 1.1

Remarks

Decisions

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GEOGRAPHIC NAMES

Survey No. **T6949**

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	
Alaska									1
Adak Island									2
<u>Aleutian Islands</u>									3
<u>Scabard Bay</u>									4
<u>Mid Point</u>									5
									6
									7
									8
<div>Names underlined in red approved by L. H. HICK on 4/24/44</div>									9
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MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

No. H

No. T **T6949**

received February 2, 1944
registered February 8, 1944
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	Comdr. R. W. Knox
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W. Knox

DIVISION OF CHARTS

REVIEW SECTION - SURVEYS BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. 6949

Field No. A

Aleutian Islands; Adak Island; Scabbard Bay
Surveyed August 1943; Scale 1:10,000
Project C. S. 218

Plane Table Survey

Aluminum Mounted

Chief of Party - C. D. Meaney
Surveyed and inked by - J. C. Bose
Reviewed by - J. A. McCormick, April 17, 1944
Inspected by - H. R. Edmonston

1. Adjoining Surveys

A satisfactory junction was effected with T-6933a (1943) on the west. The area on the east was not surveyed in 1943.

2. Previous Surveys

T-6941 (1933), 1:40,000

The small scale of the Navy survey permits of very little close detail. High water line of the two surveys is in fair agreement and the few elevations determined on the present survey check fairly well with those of T-6941. In passing it is noted that the Corps of Engineers' 1:25,000 scale quadrangle of the area is in better agreement with the present survey than is T-6941. The Navy survey can be superseded in the common area.

3. Comparison with Chart 9119 (Print of Dec. 10, 1943)

High water line and rock detail are charted from B.P. 37293, a field compilation of preliminary data. Principal correction necessary is the addition of the rock with elevation of 9 feet in Lat. $51^{\circ}49.1'$, Long. $176^{\circ}30.7'$.

4. Compliance with Project Instructions

Satisfactory.

5. Additional Field Work Recommended

None.

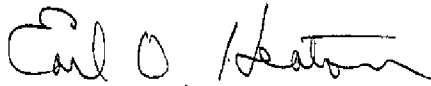
Examined and approved:



Chief, Surveys Branch



Chief, Division of Charts



Chief, Section of Hydrography



Chief, Division of
Coastal Surveys

Applied to drawing of chart 9141- Feb. 1944- JTW
" " " " 9119. July 10, 1944 F.A.M.

" " " " 8863 no corr'n. 10-27-44 F.M.A.