

6936

Diag'd on Diag. No. 9102 8863-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. M Office No. T-6936

LOCALITY

State Alaska-Alautilian Islands

General locality Adak Island

Locality Finger Bay

1943

CHIEF OF PARTY

G. C. Mattison

LIBRARY & ARCHIVES

DATE February 8, 1944

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO.

T6936

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. M

REGISTER NO.

State Aleutian Islands

General locality ~~Andreanof Islands~~

Locality Adak Island - Finger Bay

Scale 1:5,000 Date of survey June, 1943.

Vessel U.S.C. & G.S.S. EXPLORER

Chief of party G. C. Mattison

Surveyed by Max G. Ricketts

Inked by Max G. Ricketts

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

Contour, Approximate contour, Form line interval.....feet

Instructions dated....., 19.....

Remarks:.....

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET "M"
PROJECT CS-218

- o -

~~CONFIDENTIAL~~

AUTHORITY:

The work on this sheet was done at the request of the Navy Department. ✓

LIMITS & SCALE:

This survey covers the southwest arm of Finger Bay from triangulation station "HEEL", 1943 on the northeast to topographic station "Nut" on the southeast, joining topographic sheet "L", at these points. ✓

T- 6933a (1943)

The scale of the survey is 1:5,000. ✓

PURPOSE:

This survey was made to establish control for a hydrographic survey and establish shoreline of the area. ✓

CONTROL:

The control consists of triangulation established by the EXPLORER, on U.S. Navy datum. ✓

Unalaska Datum added
in Washington.

MAGNETIC OBSERVATIONS:

The following declinoire observations were made:

<u>STATION</u>	<u>DATE</u>	<u>TIME</u> (150 Mer. W.)	<u>DECL. VALUE</u>
FINGER (1943)	6-9-43	1440	14°05' E. ✓
Bed (Topo.)	6-8-43	1430	09°53' E. ✓
Pole (Topo.)	6-13-43	0920	10°02' E. ✓

9°15' E
charted ✓

SURVEY METHODS:

Standard planetable methods were followed. Triangulation stations "HEEL", "TOE", and "FINGER", were occupied for cuts, planetable triangulation was carried to the end of the arm. Short traverses being used as required in the vicinity of "FINGER". ✓

Marked topographic stations are underlined on the sheet. ✓

CHARACTER OF COUNTRY:

Except for the extreme head of the bay and that of the small bay east of "FINGER", the shoreline is generally rocky with low bluffs extending to the water line. The heads of the two bays are sand and gravel beaches. The area at the end of the arm has been occupied by the military authorities. ✓

COMPARISON WITH EXISTING SURVEYS:

The only available survey covering this area is H.O. chart No. 5631. No detailed comparison was made. The area indicated at the head of the bay is under construction, plans being to change all shoreline in the area. ✓

GEOGRAPHIC NAMES:

The name Finger Bay, was taken from H.O. Chart No. 5631, and is in use by the military authorities. ✓

STATISTICS:

Statute Miles of Shoreline	5.9
----------------------------	-----

Respectfully submitted,


Max G. Ricketts,
Lieut. C. & G. S.

APPROVED AND FORWARDED:


G. C. Mattison,
Commanding Officer,
U.S.C. & G.S.S. EXPLORER.

Remarks

Decisions

1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES
Survey No. **T6936**

GEOGRAPHIC NAMES		Survey No. T6936									
Name on Survey	<div>On Chart No.</div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>										
	A	B	C	D	E	F	G	H	K		
<u>Aleutian Islands</u>										1	
<u>Andreanof Islands</u>										2	
<u>Adak Island</u>										3	
<u>Finger Bay</u>										4	
										5	
										6	
										7	
										8	
										9	
										10	
										11	
										12	
										13	
										14	
										15	
										16	
										17	
										18	
										19	
										20	
										21	
										22	
										23	
										24	
										25	
										26	
										27	

Names underlined in red approved

by L. Heck on 4/24/44

M 234-

Names underlined in red approved
by L. Heck on 4/24/44

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

No. H
No. T **T6936**

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
20			
22			
24			
25			
26			
30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	Comdr. R. T. Knox
----	-------------------

Review

DIVISION OF CHARTS

REVIEW SECTION - SURVEYS BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. 6936

Field No. M

Aleutian Islands; Adak Island; Finger Bay
Surveyed June 1943; Scale 1:5,000
Project C. S. 218

Plane Table Survey

Aluminum Mounted

Chief of Party - G. C. Mattison
Surveyed and inked by - M. G. Ricketts
Reviewed by - J. A. McCormick, April 19, 1943
Inspected by - H. R. Edmonston

1. Adjoining Surveys

Satisfactory junctions were effected with T-6933a (1943) on the east.

2. Previous Surveys

Navy surveys H-6889 (scale 1:15,000) and T-6941 (scale 1:40,000) of 1933 are not nearly as detailed as the present 1:5,000 scale survey; also, there is a lateral displacement of more than 100 meters in the shoreline of the 1933 surveys, their control apparently breaking down as it left the triangulation stations at the entrance to the bay. Both of the older surveys can be disregarded in the common area.

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

Topography charted in this area is from B. P. 37293, a preliminary field compilation of the results of the 1943 surveys. Differences between the chart and the survey are minor and may have been eliminated on a later print which is now in Reproduction.

There appears to be several degrees of local attraction in the magnetic declination determined at Triangulation Station FINGER (descriptive report, page 1).

4. Compliance with Project Instructions


Satisfactory.

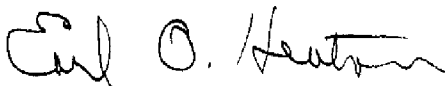
5. Additional Field Work Recommended


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 - J.W.

" " " " 9119 July 8, 1944 G.A.M.

" " " " 8863 Oct. 27, " no corr'n. J.M.A.

Finger Bay Seismic (USGS) 1949 (d) was plotted in green ink from position obtained by a 1:10,000 scale photo plot in September 1949. Form 524 and M-2226-12 (picking card) are filed in the Division of Photogrammetry.

L. C. Lande.

L. C. Lande, Chief
Graphic Compilation Section
Division of Photogrammetry