

APR 18 1940

Acc. No. ....

6722

~~CONFIDENTIAL~~

Form 504 Ed. June, 1929	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY I. O. Colbert, Director	
State: Alaska	
DESCRIPTIVE REPORT	
Topographic <del>Hydrographic</del>	Sheet No. Field E-39 Reg. No. T-6722
LOCALITY	
Aleutian Islands	
South Coast Unalaska Island	
Hive Bay westward	
193 9	
CHIEF OF PARTY R. L. Schoppe	

U. S. GOVERNMENT PRINTING OFFICE: 1929

DECLASSIFICATION BY NOAA  
PURSUANT TO DOC SYSTEMATIC REVIEW  
GUIDELINES AS DESCRIBED IN SECTION  
3.3 (a), EXECUTIVE ORDER 12356

Applied to Chart Camp 9018

Hellac Ewen June 11, 1940

" " "

8860

July 1940 - J.V.S.B. ✓

" " "

8802

Nov.

2.M.A.

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.

T6722

Field No. E-39

REGISTER NO. T- 6722.

State Alaska Aleutian Is.

General locality Aleutian Islands Unalaska Is.

Locality South Coast Unalaska Island, Five Bay westward and vicinity

Scale 1:20,000 Date of survey July--Sept, 19 39

Vessel SURVEYOR

Chief of party R. L. Schoppe

Surveyed by W. R. Tucker and E. B. Roberts

Inked by E. B. Roberts

Heights in feet above H. W. to ground ~~to tops of trees~~

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

Instructions dated Feb. 3, 1938, 19

Remarks: \_\_\_\_\_



Date of Instructions: 2/3/38 ✓

General Description of the Coast:

The coast is essentially bold. Parallel mountain ridges normal to the trend of the coast terminate in deeply eroded cliffs. The western three of these headlands are gable-like. The valleys between them have been partially filled with detritus, forming a series of bights having shingle beaches at their heads, behind which in some cases are lagoons and gentle valleys. The headlands protrude from a generally high mountain mass, and the valleys are amphitheater-like, except the third valley west of station Hive. This leads inland over gentle slopes to a pass (est. elevation 400 feet) beyond which is Tanaskan Bay, an arm of Beaver Inlet. The shores are generally foul, above and below the HW line, with boulders fallen from the heights. ✓

The two eastern bights comprise Hive Bay. The east bight is straight and narrow, while the west bight is wider and rounded. The headland between is recessive and undistinguished. The headland west of Hive Bay is deeply eroded. Its sharp ridge has three closely-spaced summits of about equal elevation, with successively lower spurs toward the point. The cliffs are marked by narrow dark strata tilting upward toward the point. The west side of this point has a very conspicuous boulder slide. (see photograph with this report) ✓

West of this point are two shallow bights with short stretches of shingle beach. The low pass is behind the eastern of these. The headland between has a reddish cliff, particularly noticeable from the southwest. This point and the one behind station Ledge have sharp knife-like ridges, not deeply serrated. The fifteen foot rock on which station Ledge lies is 200 meters off the point. It is easily picked up from either direction along the coast, but not from abreast it. About this point, but inside the rock mentioned, are extensive ledges. ✓

The mountain masses consist of sharply tilted and folded strata of vari-colored igneous rock, much pierced by dikes and seams. Of geologically recent nature, this land is undergoing active erosion, and is exceedingly rugged and broken. Except on cliffs and the steeper slopes, the rock and boulders is overlain by a sod of moss and vegetable mold, in which grow luxuriant grasses and wild flowers. ✓ The grass is green from June to September, otherwise brown. There are no trees nor bushes, nor any soil to speak of.

Landmarks:

Other than as described heretofore, there are no landmarks of note. The mountains are in confusion, and can be identified only by reference to the chart. ✓

Control:

The control consisted only of triangulation stations Hive and Ledge (both 1935) at the extremities of the shoreline on the sheet. ✓

Traverses:

The traverse between control points was run by W. R. Tucker, as well as the survey of the shore detail and hydrographic signals. This traverse, approximately six miles long, was run with great



care, and it closed with a barely discernable error (about 4 meters) which could not be distributed. ✓ ✓

Auxiliary methods:

None were employed except the use of sextant cuts from offshore in some mountain peak locations. ✓ ✓

Form Line Verification:

The sketching of the form lines was verified by careful scrutiny of the area from offshore, as well as by stereoscopic examination of air photos of the area. ✓ ✓

The area covered by complete form line development was all that lies within sight from the coast or from offshore along the coast. A small area beyond sight was developed roughly by dotted indication of the 500-foot form lines to a junction with previous work north of the area, making use of the photographs. ✓ ✓

Junction with adjacent work:

No difficulty was experienced in making satisfactory junction. ✓ ✓

New Names:

No new names are proposed, there being no established usage and it being considered undesirable to invent arbitrary new names. ✓ ✓

Plane Table Positions:

There are appended to this report descriptions on form 524 of the following recoverable points: Zed, Sal, May, Cog. There are no prominent and easily identifiable objects in the area, other than peaks possibly identifiable by reference to the chart. ✓

Filed in  
Air Photo  
section.

Photographs:

- 1-Point at west side of Hive Bay entrance, from SW, showing strata.
- 2-Same point, from NE.
- 3-Point at station Ledge, from SSE, showing deep erosion. ✓

Statistics: Statute miles shoreline, 11.2  
Sq. statute miles topography, 11.7

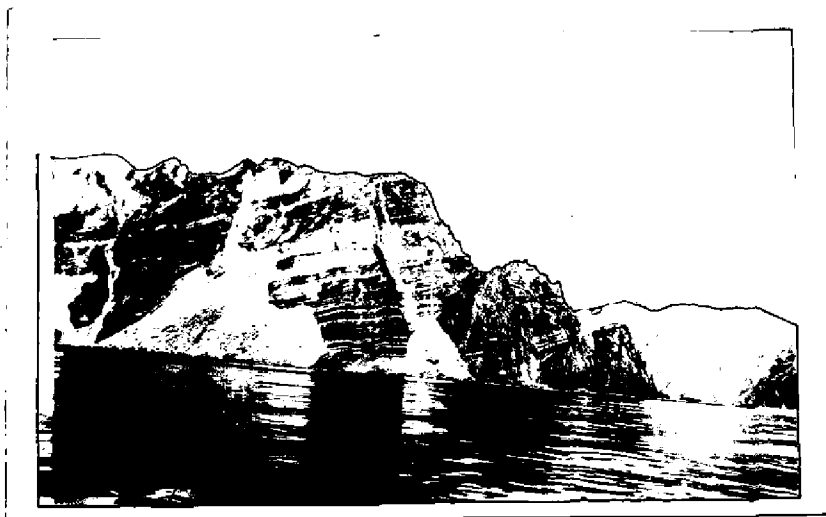
Submitted,

*E. B. Roberts*  
E. B. Roberts,  
H. & G. Engineer.

*Approved.*  
Forwarded:

*R. L. Schoppe*  
R. L. Schoppe,  
H. & G. Engineer,  
Commanding, SURVEYOR.

Photographs accompanying report covering topographic sheet  
No. (field) E-39.

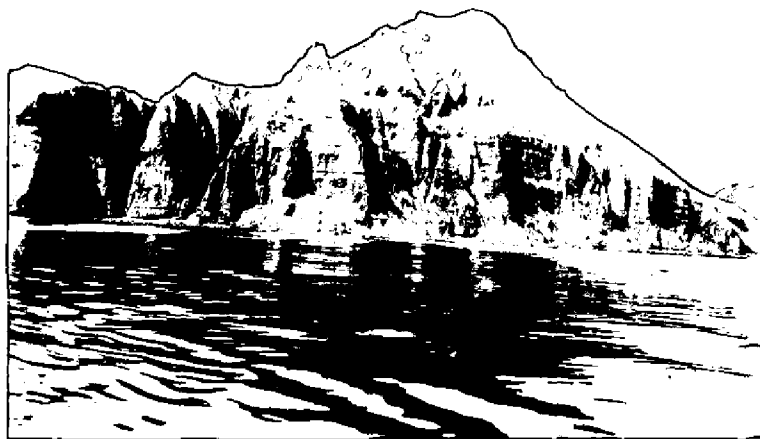


1--  
Point at W  
side of Hive  
Bay entrance,  
from SW,  
showing  
strata.

2--  
Same point  
from NE



3--  
Point at sta.  
Ledge, from  
SSE, showing  
deep erosion.





## Remarks

## Decisions

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# GEOGRAPHIC NAMES

Survey No.

**T6722**

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	
<u>Unalaska Island</u>									1
<u>Hive Bay</u>									2
									3
									4
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Names underlined in red approved  by L. Heck on 5/21/40 </div>									5
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# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
DESCRIPTIVE REPORT  
PHOTOSTAT OF

~~No. H~~

No. T 6722  
*Confidential*

received April 18, 1940  
registered April 30, 1940  
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			
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25	✓	ABC	Page 1 & photos on page 3
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RETURN TO

82	T. B. Reed
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✓ JBR

DIVISION OF CHARTS

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6722 (1939) FIELD NO. E-39

Aleutian Islands; Unalaska Island; Hive Bay and Vicinity  
Surveyed in July - September 1939, Scale 1:20,000  
Instructions dated February 3, 1938 (SURVEYOR)

Plane Table Survey

Aluminum Mounted

Chief of Party - R. L. Schoppe.  
Surveyed by - W. R. Tucker; E. B. Roberts.  
Inked by - E. B. Roberts.  
Reviewed by - J. A. McCormick, October 4, 1940.  
Inspected by - H. R. Edmonston.

1. Junctions with Contemporary Surveys.

Satisfactory junctions were made with T-6721 (1939) on the west, T-4934 (1935) on the east and T-6434 (1935) on the northeast. Form lines at 500 feet intervals were sketched beyond the limits of vertical control to junctions with those on T-6269 (1934) and T-6432 (1935) on the northwest.

2. Comparison with Prior Surveys.

This is the first topographic survey made of this area by the Coast and Geodetic Survey.

3. Comparison with Chart 8860 (New Print of July 13, 1939).

Superseded topography now charted in this area is from sketched information on H-5972 (1935), offshore hydrographic survey. The sketched shoreline gave an excellent general idea of the area.

4. Condition of Survey.

Satisfactory.

5. Compliance with Instructions for the Project.

Satisfactory.

6. Additional Field Work Recommended.

None.

7. Superseded Surveys.

None.

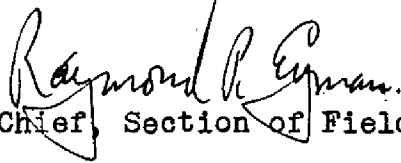
Examined and approved:



T. B. Reed,  
Chief, Section of Field Records.



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.