DESCRIPTIVE REPORT
Topographic
Sheet No. 10, Reg. No. T6644

ALASKA

Alaskan Islands

LOCALITY
S. Coast of Unnuk Island

vicinity of Russian Bay & vicinity

CHIEF OF PARTY
A.M. Schieralski

U.S. GOVERNMENT PRINTING OFFICE

DECLASSIFICATION BY NOAA
PURSUANT TO DOC SYSTEMATIC REVIEW
GUIDELINES AS DESCRIBED IN SECTION
3.3 (a), EXECUTIVE ORDER 12356
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. 38

REGISTER NO. T 6644

State: ALASKA
General locality: Aleutian Islands
Locality: S. Coast of Unmak Island

Scale: 1:20,000 Date of survey: August 1938

Vessel: U.S.C.& G.S. SURVEYOR

Chief of Party: A.M. Sobieralski
Surveyed by: John Laskowski
Inked by: John Laskowski
Heights in feet above Mean Higher Highwater to ground
Contour: Approximate contour, Form line interval 100 feet

Instructions dated: February 3, 1938
Remarks:

GPO
DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

Field No.  S 38
Reg. No.  T 6644

SEASON OF 1938


AUTHORITY

This survey was made under Director's Instructions dated February 3, 1936 - Project H.T. 176.

LOCALITY

The sheet covers an area on the south side of Umnak Island extending from Latitude 53 - 08.4' to Latitude 53 - 11.9'.

CONTROL

Second and third order triangulation executed during the seasons of 1936 and 1937 furnished adequate control.

JUNCTIONS WITH PREVIOUS SURVEYS

On the southern end of the sheet a satisfactory junction was made with Topographic Sheet No. C-37 (1937) at signal HOT.

The northern end of the sheet joins unto Topographic Sheet No. D-37 (1937) at Tri. Sta. THREE. Although a survey was executed in 1937 from Tri. Sta. THREE to signal TOE, it was necessary to relocate the signals in this area as no satisfactory junction could be made with the topographic signals. It appears that in 1937 an error of 100 meters in rod reading was made when starting the survey from Tri. Sta. THREE.
SURVEYING METHODS

The plane table and stadia was used with no divergence from standard practice.

Off-lying features were located by direct rod readings or intersecting cuts.

In the resurvey of the area from Tri. Sta. SCARP to Tri. Sta. THREE only the signals and off-lying rocks were relocated. The shoreline as determined in 1937 was swung so as to fit the 1838 location of signals.

No adjustment was necessary on any of the traverses. The maximum closing error being 4 meters in a traverse 3.7 miles in length.

GENERAL DESCRIPTION

The shoreline is characteristic of the Aleutian Islands. The major portion being cliffs or bluffs with reefs and rocks extending in many places various distances off shore.

The east and west shores of "Russian Bay" are very precipitous. The low water line area is generally composed of boulders and reefs. At the head of the bay is a low valley that extends about two miles into the interior. A large stream meanders through the valley. Mountain ridges extend on both sides of the valley.

A low group of rocks, upon which Tri. Sta. LEDGE is located, extend about one mile off shore. These rocks are not readily discernible when approaching from seaward.

PROMINENT FEATURES

See Descriptive Report for Topographic Sheet B-37, season of 1937.

COMPARISON WITH PREVIOUS SURVEYS

The subject has been discussed in preceding paragraphs of this report. However two rocks awash about ½ mile south of Tri. Sta. THREE were located while the 1937 survey shows only one.

MAGNETICS

The magnetic meridian shown on the sheet was determined with Declinometre No. 229. It was standardized at Green Lake Magnetic Station, Seattle, Wash. at 2:23 P.M.
April 20, 1938 and at 10:37 A.M., October 14, 1938. Declinations of 22 - 44' and 23 - 02' were obtained respectively. (at Green Lake). Charted value of 23'15' vicinity of Green Lake indicates approximate correction of 00 + 0'25' T.M. U.S. not consulted for exact correction. Scaled value of declination on present survey reasonably close to charted value.

"Russian Bay" is suggested for the prominent bay. This name was in general use by the field parties.

ELEVATIONS

The elevations are in feet above mean high water. In general they are shown to the nearest five feet.

STATISTICS

<table>
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<th>Statute miles of shoreline</th>
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<tr>
<td>Area in square miles</td>
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Respectfully submitted

[Signature]

John Laskowski
November 14, 1938

Topographic Sheet S-38 (Register No. T6644) and the descriptive report accompanying it have been examined by me and are approved and forwarded.

A.M. Sobieralski
Commanding Officer
U.S.C. & G.S. SURVEYOR
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<td>Umnak Island</td>
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<td>Russian Bay</td>
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<td>Pacific Ocean</td>
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Signature: [Handwritten] 7/19/39
MEMORANDUM
IMMEDIATE ATTENTION

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.

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RETURN TO

82  T. B. Reed

[Signature]
Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6644 (1938) FIELD NO. S38

Russian Bay and Vicinity, So. Coast of Unimak Island, Aleutian Islands.
Surveyed in August, 1938, Scale 1:20,000
Instructions dated Feb. 3, 1938 (SURVEYOR)

Plane Table Survey. Aluminum Mounted.

Chief of Party - A. M. Sobieralski
Surveyed by - J. Laskowski
Inked by - J. Laskowski

1. Junctions with Contemporary Surveys.
   a. The junction with form line survey T-4947 (1938) on the west is satisfactory.
   b. The junction with T-6598 (1937) on the south is satisfactory as regards shoreline and associated detail. The present survey is accepted as more nearly correct where form lines differ slightly in the overlap.
   c. The present survey overlaps T-6596 (1937) on the north for a distance of approximately three miles because of failure to check the 1937 signal locations. The descriptive report for the present survey states that a 100 meter error in rod reading appears to have been made in the course of the 1937 traverse. The report for the latter states that the traverse in question (a little over three miles in length) closed flat in azimuth and four meters off in distance. Regardless of cause of the discrepancies, the present survey is accepted as most nearly correct and supersedes T-6596 in the common area.

2. Comparison with Prior Surveys.
   This Bureau has made no previous surveys in this area.

3. Comparison with Chart 6802 (New Print of Nov. 3, 1938)
   The present survey covers an area less than 1/2 inch square on the scale of the chart, making detailed comparison of no value. All topography prior to the present survey should be disregarded.

   The descriptive report was incomplete in its discussion of declinatoire correction but was otherwise satisfactory. Field drafting was also satisfactory.
5. Compliance with Instructions for the Project.
   Satisfactory.

6. Additional Field Work Recommended.
   None

7. Reviewed by - J. A. McCormick, October 17, 1939.

8. Inspected by - H. R. Edmonston.

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

K. T. Adams  
Chief, Division of Charts.

Fred. L. Peacock  
Chief, Section of Field Work.  

G. F. Price  
Chief, Division of H. & T.