

6644

U. S. COAST & GEODETIC SURVEY
LIGHT HOUSE ARCHIVES

MAY 8 1939

~~CONFIDENTIAL~~

Acc. No. 2

Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic

Field No. S-38

Sheet No. Reg. No. T6644

~~XXXXXXXXXX~~

State Aleutian Islands
ALASKA

LOCALITY

~~ALEUTIAN ISLANDS~~

S. Coast of Unmak Island

~~Vicinity of Russian Bay~~ & Vicinity

193 8

CHIEF OF PARTY

A. M. Sobieralski

U. S. GOVERNMENT PRINTING OFFICE

6644
~~CONFIDENTIAL~~

DECLASSIFICATION BY NOAA

PURSUANT TO DOC SYSTEMATIC REVIEW

GUIDELINES AS DESCRIBED IN SECTION

3.3 (a), EXECUTIVE ORDER 12356

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. S 38

REGISTER NO. T 6644

State ~~ALASKA~~ Aleutian Islands
General locality ~~ALEUTIAN ISLANDS~~ So. Coast of Umnak Island
Locality ~~S. Coast of Umnak Island~~ Russian Bay & Vicinity
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 M.H.W. to ground ~~to tops of #111111~~
Contour, ~~Approximate contour~~, Form line interval 100 feet
Instructions dated February 3 1938, ~~##1111~~
Remarks: _____

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

Field No. S 38
Reg. No. T 6644

SEASON OF 1938

U.S.C. & G.S. SURVEYOR

A.M. Sobieralski, Comdg.

AUTHORITY

This survey was made under Director's Instructions dated February 3, 1938 - Project H.T. 176. ✓

LOCALITY

The sheet covers and area on the south side of Ummak 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. T-6598

The northern end of the sheet joins unto Topographic Sheet No. B-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. Covered in part 1c, review.

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 1938 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, ^{are} 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.

T-6596

COMPARISON WITH PREVIOUS SURVEYS

The subject has been discussed in preceeding paragraphs of this report. However two rocks awash about $\frac{1}{4}$ mile south of Tri. Sta. THREE were located while the 1937 survey shows only one.

Verified by
H-6379.

MAGNETICS

The magnetic meridian shown on the sheet was determined with Declinatoire 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 approx. needle correction of
+ 0°25'. T.M. + S. not consulted for exact corr. Scaled
value of declination on present survey
reasonably close to charted value.

GEOGRAPHIC NAMES

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

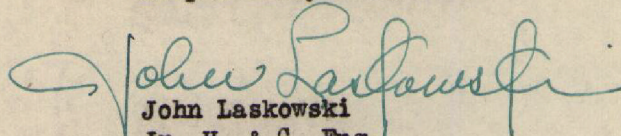
ELEVATIONS

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

STATISTICS

Statute miles of shoreline	10.2
Area in square miles	9.5

Respectfully submitted


John Laskowski
Jr. H. & G. Eng.

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

Remarks.

Decisions

1		File No 530 680
2	Name assigned by field party submitted USG 13	530 680
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GEOGRAPHIC NAMES

Survey No. **T-6644**

GEOGRAPHIC NAMES		On Chart No. 802		On previous survey		On U. S. quadrangle Maps		From local information		On local Maps		P. O. Guide or Map		Rand McNally Atlas		U. S. Light List	
Name on Survey		A.	B.	C.	D.	E.	F.	G.	H.	K.							
<u>Umnak Island</u>		✓														1	
<u>Russian Bay</u>																2	
<u>Pacific Ocean</u>		✓														3	
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<i>✓ GAE</i>																26	
<i>7/19/39</i>																27	

M 234 ✓

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT } ~~NO. T - 6644~~
~~PHOTO STATION~~ } No. T - 6644

{ received May 8, 1939
 { registered June 14, 1939
 { 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	T. B. Reed
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✓ JBR

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 8802 (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.

4. Condition of Survey.

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.



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.