

6598

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

**DESCRIPTIVE REPORT**

Topographic }  
~~Hydrographic~~ } Sheet No. C-37

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES  
APR 19 1938  
Acc. No.

State Aleutian Islands  
Alaska

LOCALITY  
~~ALEUTIAN ISLANDS~~  
COAST  
SOUTH SHORE of UMNAK ISLAND  
North of Vsevidof Islands

193 7

CHIEF OF PARTY  
A.M. Sobieralski, Commanding Officer  
U.S.C. & G.S. Ship SURVEYOR

6548

6502

CONFIDENTIAL

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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. C-37 T-6598

REGISTER NO.

State ~~ALASKA~~ Aleutian Islands  
General locality ~~SOUTH SHORE OF UMNAK ISLAND~~  
Locality ~~ALEUTIAN ISLANDS~~ North of Vsevidoff Island  
Scale 1-20,000 Date of survey July, 1937  
Vessel U.S.C.&G.S.S. SURVEYOR  
Chief of party A. M. SOBIERALSKI  
Surveyed by William F. Deane  
Inked by William F. Deane  
Heights in feet above M.H.W. to ground to-tops-of-trees  
Contour, Approximate contour, Form line interval 100 feet  
Instructions dated April 13, 1934  
Remarks: Form lines were transferred from Sheet X 37

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET FIELD LETTER C - 37 T-6598

AUTHORITY

This survey was made in compliance with the Director's Instructions dated April 13, 1934.

SCOPE

This sheet is comprised of the surveyed shore line on the south side of Umnak Island, Alaska, from Lat. 53-08.5, Long. 168-22.0, southward to Lat. 53-04.4, Long. 168-27.3.

CONTROL

Second and third order triangulation served as control for the survey.

METHOD

Ordinary plane table work was done using three point fixes for positions. Topographic signals were located by cuts and telemeter readings. Telemeter readings were taken on a majority of the off shore rocks and was supplemented by sketching in extremely foul areas.

FORM LINES

Form lines were drawn on Sheet X-37 to facilitate their determination from positions not obtainable on larger scale sheets.

COMPARISON WITH PREVIOUS SURVEYS

Existing surveys were of a reconnaissance nature and were not used for making a comparison with this sheet.

LANDMARKS

There are no landmarks located on this sheet.

STATISTICS

Shoreline

7.7 statute miles

Elevations are shown on Sheet X - 37

Respectfully submitted

*William F. Deane*

William F. Deane

Aid, C. & G. Survey

Approved:

*A. M. Sobieralski*

A. M. SOBIERALSKI, H.&G.E.

Commanding SURVEYOR

## Remarks.

## Decisions

1		<i>USGB decision</i>
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# GEOGRAPHIC NAMES

Survey No. T-6598

Name on Survey	A, On Chart No. 8802	B, On previous survey No.	C, On U. S. quadrangle Maps	D, From local information	E, On local Maps	F, P. O. Guide or Map	G, Rand McNally Atlas	H, U. S. Light List	K	
<u>Umnak Island</u>	✓									1
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Names underlined in red approved										25
by <u>RAE</u> on <u>5/31/38</u>										26
										27



# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
DESCRIPTIVE REPORT  
~~PHOTOSTAT OF~~

~~No. 1~~

No. T-6598

received April 19, 1938  
registered May 24, 1938  
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			
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RETURN TO

82	T. B. Reed
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✓ JBR



Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6598 (1937) FIELD NO. C-37

North of Vsevidof Island, South Coast of Umnak Island,  
Aleutian Islands

Surveyed in July 1937, Scale 1:20,000

Instructions dated April 13, 1934 (SURVEYOR)

Plane Table Survey

Aluminum Mounted

Chief of Party - A. M. Sobieralski.

Surveyed by - William F. Deane.

Inked by - William F. Deane.

1. Condition of Survey.

The survey is legible and conforms to the requirements of the Topographic Manual except as noted in paragraph 6a of this review. Several rocks awash, however, were noted as baring 5 feet at M.L.L.W. These should have been referenced to the plane of M.H.W. since the mean range of tide is 5 feet. These rocks have been correctly represented on H-6274 (1937) in the office and an appropriate note added to the present survey.

The Descriptive Report, although brief, satisfactorily covers all items of importance except that there is no evidence that the delinatoire was checked at a station of known declination during the season's work (Par. 17).

2. Compliance with Instructions for the Project.

The plan, character and extent of the survey comply with the instructions except that no recoverable plane table stations were established. The distance between triangulation stations averages about 2-1/2 miles, except triangulation stations CZAR and LEDGE which are a mile apart. The Instructions (par. 10b) specify establishment of recoverable stations approximately 1 mile apart.

3. Junctions with Contemporary Surveys.

- a. The junction with T-6595 (1937) on the south is satisfactory except that differences of as much as 60 m. are noted in the positions of identical form lines. No adjustments were made in the office since no particular charting difficulties will be encountered. (See par. b, below).
- b. The form lines shown on this survey were transferred from Field Sheet No. X-37, (See Descriptive Report T-6598) not yet received from the field. They will be considered in more detail in the review of that work.
- c. A holiday in topography as well as two conflicts in elevations exist between the present survey and T-6596 (1937) in approximate lat.  $53^{\circ} 09.0'$ , long.  $168^{\circ} 23.0'$ . For

*The two  
elevations  
are correct  
on T-6598.  
Letter-Oct. 24 '38  
attached to D.R.  
T-6595. mce*



additional information see paragraph 3c, and 7 of Review T-6596 (1937).

4. Comparison with Prior Surveys.

No prior topographic surveys have been made by this Bureau in this area.

5. Comparison with Chart 8802 (New Print dated Dec. 13, 1937).

a. Topography.

Topography shown on the chart originates with miscellaneous sources. The authority cannot be readily ascertained, but the topography in its present form is shown on Chart 8802, edition 1908. Because of the small scale, no adequate comparison with the present survey can be made. The chart shows no information in this area which needs to be retained and should be superseded by the present survey in future charting.

b. Magnetic Declination.

The magnetic declination as shown on the present survey agrees closely with the charted value.

6. Field Drafting.

The drafting on this survey is satisfactory except as follows:

- a. Rocky ledges and reefs have been indicated by legends such as "reef", "rocky ledge" inside of the dotted line. (symbol for low water line). It is impossible to determine from the survey where the rocky reef starts and ends or what part of the shoreline is sand beach. The standard symbol should have been used. (See paragraph 39 Topographic Manual). A photostat of the survey has been sent to the field party with a request for further information regarding the character and limits of reefs and ledges. *(See letter dated Oct. 24, 1937, attached to Descriptive Report of T-6595. Additional information received and applied to this survey, T-6598 (1937).)*
- b. Although the lettering on this survey is legible it is *L. S. S.* preferable that a mechanical lettering set be used when practicable.

7. Additional Field Work Recommended.

No additional field work is required.

8. Superseded Prior Surveys.

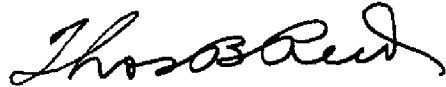
There are no prior surveys made by this Bureau within the area covered by the present survey.



9. Reviewed by - Leo S. Straw, Aug. 16, 1938.

Inspected by - Harold W. Murray.

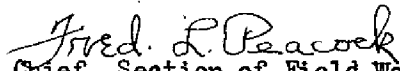
Examined and approved:



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



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.