

✓ 6642

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

DESCRIPTIVE REPORT

Topographic } Field No. U-38
~~XXXXXXXXXX~~ } Sheet No. Reg. No. T6642

State Aleutian Islands
~~ALASKA~~

LOCALITY

~~ALEUTIAN ISLANDS~~

N.COAST OF UMNAK ISLAND

CAPE KIGUNAK TO CAPE ASLIK

1938

CHIEF OF PARTY

A.M.SOBIERALSKI

U. S. GOVERNMENT PRINTING OFFICE

6642

~~CONFIDENTIAL~~

DECLASSIFICATION BY NOAA

PURSUANT TO DOC SYSTEMATIC REVIEW

GUIDELINES AS DESCRIBED IN SECTION

3.3 (a), EXECUTIVE ORDER 12356

Applied to new compilation chart 8861 - Jan. 1942 - JFW
" " " " " 9025 Mar. 1942 JFW

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 Letter U-38

REGISTER NO. T 6642

State ~~ALASKA~~ Aleutian Islands
General locality ~~ALEUTIAN ISLANDS~~ North Coast of Umnak Island
Locality ~~North coast of Umnak Island~~ Cape Kigunak to Cape Aslik
Scale 1:20,000 Date of survey August, 1938
Vessel Str. SURVEYOR
Chief of Party A.M. Sobieralski
Surveyed by John Laskowski
Inked by John Laskowski
Heights in feet above M.H.W. to ground ###-###-###-###-###-###
Contour Approximate contour Form line interval 100 feet
Instructions dated February 3, 1938
Remarks: _____

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

Field No. U 38
Reg. No. T 6642

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 No. H.T. 218. ✓

LOCALITY

This sheet covers an area on the west side of Umanak Island extending from approximate Latitude 53 - 20' to Latitude 53 - 25' or from Cape Kigunak to Cape Aslik. ✓

CONTROL

The survey was controlled by second and third order triangulation executed during the seasons of 1937 and 1938. ✓

JUNCTIONS WITH ADJACENT SURVEYS

The sheet joins Topographic Sheet T6643, Field No. R38 on the south. A shoreline junction was effected at signal SOB which was located by a rod reading while set up over Tri. Sta. IGNEOUS. The position so obtained checked the position as determined on Sheet No. T6643. A junction of form lines and land features was made along Latitude 53 - 20'. ✓

The northern limit of the sheet bounds on an unsurveyed area. ✓

On the southeast this sheet joins Topographic Sheet T4942 - 1937. The elevations and form lines on the western limits of that sheet could not be checked so that

it was necessary to make the junction between Longitude 168 - 14' and 168 - 15'. It is understood that the elevations on the outer limits of the sheet were determined by sextant cuts taken from a launch while doing hydrography on the south coast of Umnak Island. The failure to check the work is attributed to this fact, and it is considered that the form lines are more accurate on this sheet.

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.

The closing errors between triangulation stations were as follows:

IGNEOUS to PORTAGE 2.0 mi. Closing error 0.0 Meters.
PORTAGE to BLOW 3.4 mi. Closing error 6.0 Meters.
BLOW to ASLIK 2.1 mi. Closing error 0.0 Meters.

GENERAL DESCRIPTION AND COMMENTS

In general the area covered by the survey consists of a large flat valley bordered by mountain ridges on the north and south and having a lone and prominent mountain in the middle of it.

The shoreline at Cape Aslik is the face of an old lava flow and it is very precipitous and irregular. Sunken rocks, extending well offshore, are numerous. A heavy growth of kelp fringes the southern side of the cape. The land has a gentle rise until reaching the well defined cinder cone.

The shoreline on the north side of Cape Kigunak is of a steep boulder and ragged rock beach with steep grass slopes rising behind it.

The shoreline from signals DIE to GOON consists of a fine black sand beach. There is ample evidence that the shoreline has changed. The beach appears to be built up in layers of sand. In all probability in years to come a noted change will take place in the configuration of the shoreline. The land back of this shoreline forms a low valley that extends to the Pacific Ocean side of the island. The only prominent rise in the valley is the lone mountain upon which Tri. Sta. PUSS is established. The valley is a swamp land covered with a heavy growth of grass. A large stream meanders thru the valley.

PROMINENT FEATURES

The peak upon which Tri. Sta. PUSS is established is very conspicuous. It creates a bold and black outline in the valley with its steep and rugged slopes. ✓

The peak back of Cape Aslik upon which Tri. Sta. CONE is established is of a dark red color and conical in shape. In all probability volcanic action created the distinct hole and slope on its southwest side. ✓

The most distinctive peak in the area is located in Latitude 53 - 23.3' and Longitude 168 - 14.1'. It is very ragged and has steep slopes. A shoulder, 600 ft. lower in elevation, extends about one half mile to the northwest. ✓

There is indications of an old Village Site directly back of the bluffs upon which signal LOG is located. ✓

MAGNETICS

The magnetic meridian shown on the sheet was obtained with Declinatoire No. 214. It was standardized at Green Lake Magnetic Station, Seattle, Wash. at 2:25 P.M., April 20, 1938 and at 10:40 A.M., October 14, 1938. Declinations of 22 - 56' and 23 - 08' were obtained respectively.

23° 13' charted at Green Lake.
Needle error can be assumed to
be negligible. JAM.

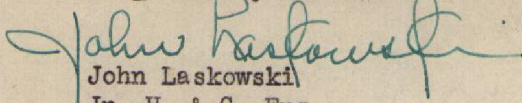
GEOGRAPHIC NAMES

Cape Aslik and Cape Kigunak were obtained from Chart 8802.

STATISTICS

Statute miles of shoreline	8.2	✓
Area in square miles	23.0	

Respectfully submitted


John Laskowski
Jr. H. & G. Eng.

November 14, 1938:

Topographic Sheet U-38 (Register No. T6642) ✓
and the descriptive report accompany it have been examined
by me and are approved and forwarded.

It is recommended that form lines on this
sheet supersede form lines on Sheet T4942 - 1937 where they
overlap.

✓
T-4942
superseded
in the overlap.

A.M. Sobieralski

A.M. Sobieralski
Commanding Officer
U.S.C. & G.S. SURVEYOR

Remarks.

Decisions

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GEOGRAPHIC NAMES

Survey No. T-6642

GEOGRAPHIC NAMES										
Survey No. T-6642										
Name on Survey	<div>On Chart No. 8802</div> <div>On previous survey</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>Unnak Island</u>	✓									1
<u>Cape Aslik</u>	✓									2
<u>Bering Sea</u>	✓									3
<u>Cape Kigunak</u>	✓									4
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MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT } ~~Noted~~
~~PHOTOSTAT OF~~ } No. T-6642

{ 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. 6642 (1938) FIELD NO. U.

Cape Kigunak to Cape Aslik, North Coast of Umnak Island,
Aleutian Islands.

Surveyed in August 1938, Scale 1:20,000.

Instructions dated February 3, 1938 (SURVEYOR).

Plane Table Survey.

Aluminum Mounted.

Chief of Party - A. M. Sobieralski

Surveyed by - J. Laskowski

Inked by - J. Laskowski

Reviewed by - J. A. McCormick, December 1, 1939.

Inspected by - H. R. Edmonston.

1. Junctions with Contemporary Surveys.

- a. The junction with T-6643 (1938) on the south is satisfactory. Surveys on the north have not been received from the field.
- b. Differences in form line delineation at the junction with T-4942 (1936-37) on the southeast necessitated overlapping that survey until satisfactory agreement had been attained (descriptive report, pages 1 and 2). The present survey supersedes T-4942 in the overlapping area.

2. Comparison with Prior Surveys.

This Bureau has made no previous surveys in this locality.

3. Comparison with Chart 8802 (New Print of November 3, 1938).

Topography now charted in this area bears a general resemblance to the present survey but is on such a small scale as to show little detail. The present survey supersedes the topography charted in the common area.

4. Condition of Survey.

Satisfactory.


5. Compliance with Instructions for the Project.

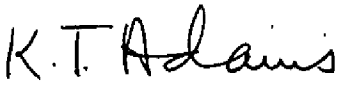
Satisfactory.

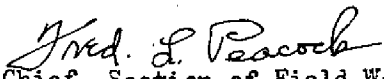
6. Additional Field Work Recommended.


None.

Examined and Approved:


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


K. T. Adams
Chief, Division of Charts.


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


G. W. de
Chief, Division of H. & T.