

APR 18 1940

Acc. No.

6714

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Form 504 Ed. June, 1928	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY L. O. Colbert, Director	
State: <u>Alaska</u>	
DESCRIPTIVE REPORT	
Topographic } Hydrographic }	Sheet No. <u>A- 39</u> Reg. No. <u>6714</u>
LOCALITY	
<u>Aleutian Islands</u>	
<u>Unnak Island.</u>	
<u>Cape Aslik</u>	
<u>1939</u>	
CHIEF OF PARTY	
<u>Ray L. Schoppe</u>	

U. S. GOVERNMENT PRINTING OFFICE: 1928

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

applied to chf 8802 J.M.A. Nov. 1940

" " " 8861 JTW Jan 1942

" " " 9075 JTW Mar. 1942

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. A-39

T6714

REGISTER NO.

State ~~S. W. ALASKA~~ Aleutian Islands

General locality Aleutian Islands Unimak I.

Locality Cape Aslik to Agulnik Pt.

Scale 1:20,000 Date of survey May, 1939

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

Chief of party Ray L. Schoppe

Surveyed by John Bowie Jr.

Inked by John Bowie Jr.

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

Contour, Approximate contour, Form line interval 100 feet

Instructions dated February 3, 1938

Remarks: _____

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET A-39

REG. No.

U.S.C.&G.S.S. SURVEYOR - RAY L. SCHOPPE, Commanding

SEASON OF 1939

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 northwest side of Umnak Island between Cape Aslik and triangulation station HAG. Station HAG is 6 miles northeast of Cape Aslik.

JUNCTIONS WITH OTHER SHEETS:

This sheet joins sheet U-38 (Reg. No. 6642) on the southwest and Q-38 (Reg. No. 6715) on the northeast.

METHOD OF SURVEY:

The standard planetable was used exclusively.

Traverses were run between the following triangulation stations:

POLY to ASLIK
POLY to GINGER
GINGER to CAPE
CAPE to CROP
HAG to CROP

These traverses closed flat.

GENERAL DESCRIPTION OF COAST:

Cape Aslik is a prominent point with vertical cliffs of 150 ft. near triangulation station ASLIK, tapering off to 60 ft. in the vicinity of triangulation station POLY, where a sand beach begins and extends northeasterly $3\frac{1}{2}$ miles to the vicinity of triangulation station CAPE. From CAPE to HAG, the coast is broken and irregular with intermittent bluffs, sand beaches, lava outcrop and offlying rocks. These rocks are within 100 meters of H.W.M. except at the point $\frac{1}{2}$ mile north of triangulation station CAPE, where some extend 200 meters.

Back of the beach the terrain is regular and on a fairly consistent slope for about 3 miles. 200 to 400 meters back of the beach, between POLY and CAPE, is a gentle bluff line due to a distinct break in the upward slope of the land as the grade flattens out to the southeastward as shown on the sheet.

The land is covered with grass except above the snow line on the ridge forming in the eastern part of the sheet.

PROMINENT OBJECTS:

At Lat. $53^{\circ} - 25.7'$, Long. $168^{\circ} - 24.1'$ is a double bump, ^{① Barn} in an east and west line and about 15 ft. higher in elevation than the ground in the immediate vicinity.

At Lat. $53^{\circ} - 28.9'$, Long. $168^{\circ} - 18.9'$ is a vertical cliff 150 meters back of the H.W.M., extending 400 meters in length parallel to the beach. From this vertical wall numerous small waterfalls form a picturesque view.

These two objects may only be recognized from ships a mile or two offshore.

At Lat. $53^{\circ} - 28.77'$, Long. $168^{\circ} - 19.0'$ is a prominent waterfall 100 ft. high. (see page 6 List of signals.)

At Lat. $53^{\circ} - 28.5'$, Long. $168^{\circ} - 20.7'$ is a narrow knife edge point, extending 200 meters into the sea, normal to the beach. 50 ft. from the end of the point, the formation rises vertically 100 ft. and then continues to rise in elevation to 267 ft. at triangulation station ~~CROP~~ ^{CAPE}.

OFFLYING DANGERS:

There are several rocks off Cape Aslik as shown on the sheet, the farthest rock being 350 meters offshore.

MAGNETICS:

The magnetic meridian at triangulation station POLY was obtained at 9:00 AM May 27, 1939, by declinoire No. 220. Triangulation station CROP was occupied by declinometer. No local variations were noted at either station. The observed magnetic north at POLY was $15^{\circ} - 00'$ and at CROP was $14^{\circ} - 20'$. A disturbance was noted at HAG which will be discussed in the corresponding report of the sheet for that area.

See review of T-6715

GEOGRAPHIC NAMES:

"CAPE ASLIK" was obtained from Chart 8802.

"WEeping WALL" is suggested as a name for the second object described under the heading of "Prominent Objects".

ELEVATIONS AND FORM LINES:

Elevations are in feet above mean high water.

The dotted form lines on the eastern half of the sheet are approximation only and should be changed to their correct location and formation if and when a new contour sheet is made of this area. The

dotted lines are intended to show the general formation in advance of the next sheet. These were sketched in from memory of the area as seen in 1938 and occasional glimpses during the present season.

A snow covered ridge extends northeastward from triangulation station BUMP. The elevation of this ridge is estimated at 3500 ft.

$\frac{1}{2}$ mile southwest of triangulation station NEW is a spike shaped rock. The elevation of 1494 ft. should be checked when the new contour sheet of the vacant area is surveyed.

Fog and low clouds prevented the completion of the form lines on the eastern part of the sheet. While working on this sheet and vicinity, the limit of visibility was from 1000 to 1500 ft. and at no time during the season, while working or enroute to or from Dutch Harbor, was there a chance to obtain accurate elevations of this ridge.

ANCHORAGES:

There are no anchorages in the limits of this sheet.

COMPARISON WITH PREVIOUS SURVEYS:

No previous surveys of this area have been made by the Coast and Geodetic Survey. The scale of Chart 8802 is such that detail does not show, consequently no constructive comparison can be made.

STATISTICS:

Shoreline, statute miles.....	7.8
Area, statute square miles.....	33.0
Topographic stations.....	3 plus 6 triangulation stations.

Respectfully submitted,

Approved and forwarded:

RAY L. SCHOPPE, H.&G.E.,
Commanding, Str. SURVEYOR.

John Bowie, Jr.
JOHN BOWIE, JR.,
Jr. H.&G. Engr.,
U. S. Coast and Geodetic Survey.

LIST OF SIGNALS

to accompany

DESCRIPTIVE REPORT FOR TOPOGRAPHIC SHEET A-39

TRIANGULATION STATIONS:

ASLIK - Marked station at Cape Aslik.
CAPE - Marked station $4\frac{1}{2}$ miles northeast Cape Aslik.
CROP - Marked station 5.0 miles northeast Cape Aslik.
GINGER - Marked station 3.0 miles northeast Cape Aslik.
HAG - Marked station $6\frac{1}{4}$ miles northeast Cape Aslik.
POLY - Marked station $\frac{1}{2}$ mile northeast Cape Aslik.

TOPOGRAPHIC SIGNALS:

AB - Cloth signal, not recoverable.
AID - Whitewash, high up on point, not recoverable after
several years.
ALI - Whitewash, not recoverable.
AR - Whitewash, not recoverable.
BAG - Cloth signal, not recoverable.
BAS - Whitewash, not recoverable.
BIL - Cloth on log, not recoverable.
BUD - Whitewash, not recoverable.
BUM - Top of W'y twin bump, recoverable, natural object.
COR - Cloth, unrecoverable.
CRAB - Whitewash, not recoverable.
CUT - Flag, not recoverable.
DEE - Cloth, not recoverable.
EG - Cloth, not recoverable.
EL - Whitewash, on vertical cliff, not recoverable after
several years.
EM - Whitewash, on vertical cliff, not recoverable after
several years.
END - Whitewash, on flat end of point, not recoverable after
several years.
EYE - Cloth, not recoverable.
FIT - Driftwood, not recoverable.
FLO - Whitewash, not recoverable after several years.
FOG - Whitewash, not recoverable after several years, on top
of bluff.
GAL - Cloth, not recoverable.
GOOD - Whitewash, on lava outcrop, not recoverable after
several years.
GUM - Flag, not recoverable.
HAT - Door of barabara, recoverable.
HI - High whitewash, not recoverable after several years.
HOT - Cloth on log, not recoverable.
JAG - Flag, not recoverable.
JUG - Whitewash on rock, not recoverable after several years.

LIST OF SIGNALS (continued)

to accompany

DESCRIPTIVE REPORT FOR TOPOGRAPHIC SHEET A-39

TOPOGRAPHIC SIGNALS: (continued)

KAY - Whitewash on vertical cliff, not recoverable after
several years.
KEY - Whitewash on rock outcrop, not recoverable after
several years.
LIP - whitewash, not recoverable after several years.
LOT - Whitewash, not recoverable.
MID - Whitewash, 15 ft. high up on point, not recoverable
after several years.
MOT - Rock at mouth of stream, recoverable.
NAG - Whitewash on lava outcrop, not recoverable after
several years.
NOG - Flag, not recoverable.
OY - Whitewash on top of bluff, not recoverable after
several years.
PAS - Whitewash on side of cliff, not recoverable after
several years.
PIG - Whitewash on top of bluff, not recoverable after
several years.
RAZ - Whitewash on rock island, not recoverable after
several years.
ROD - Whitewash on top of bluff, not recoverable after
several years.
ROK - Whitewash on lava outcrop, not recoverable after
several years.
ROY - Whitewash on rock on sand beach, rock recoverable.
SAP - Cloth, not recoverable.
TIM - Cloth, not recoverable.
TOW - Top of waterfall, recoverable.
TOP - Whitewash on top of bluff, not recoverable after
several years.
WET - Whitewash on rock point, not recoverable after several
years.
YOU - Cloth, not recoverable.
ZEE - Cloth, not recoverable.

Remarks

Decisions

1		USGB
2		530680
3		"
4	Do not LHY pending U.S.G.B. decision (also on #6506)	"
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GEOGRAPHIC NAMES

Survey No.

T6714

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	
Umnak Island									1
<u>Aguliuk Point</u>									2
<u>Cape Aslik</u>									3
Weeping Wall									4
									5
Names underlined in red approved									6
by L. Heck on 6/7/70									7
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MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

~~No. 44~~

No. T T6714

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	✓	✓	Pages 2 & 3
26			
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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. 6714 (1939) FIELD NO. A-39

Aleutian Islands, Umnak Island, Cape Aslik to Aguliuk Pt.

Surveyed in May 1939, Scale 1:20,000

Instructions dated February 3, 1938 (SURVEYOR)

Plane Table Survey

Aluminum Mounted

Chief of Party - R. L. Schoppe.

Surveyed by - John Bowie, Jr.

Inked by - John Bowie, Jr.

Reviewed by - Leo S. Straw, May 15, 1940.

Inspected by - H. R. Edmonston.

1. Junctions with Contemporary Surveys.

The junctions with T-6715 (1939) on the northeast and T-6642 (1938) on the southwest are satisfactory.

2. Comparison with Prior Surveys.

This Bureau has made no previous surveys in this area.

3. Comparison with Chart No. 8802 (New Print dated Dec. 21, 1939).

The shoreline on the chart is dashed and is over 2 miles too far southeast of its correct location at Aguliuk Pt. This feature or name does not appear on the present chart.

The name "C Aslik" is misplaced on the chart and should apply to the prominent feature in approximate Lat. 53° 25.0', Long. 168° 24.5'.

Within the area covered the chart should be based on the present survey.

4. Condition of Survey.

Foggy weather prevented obtaining a sufficient number of elevations to draw the form lines with confidence. As a result about one-third of them have been shown dashed. See page 4 of the descriptive report.

5. Compliance with Instructions for the Project.

Satisfactory.

6. Additional Field Work Recommended.

Additional elevations particularly in the northeast half of the area covered by the present survey are desirable to more accurately show the form of the ground.

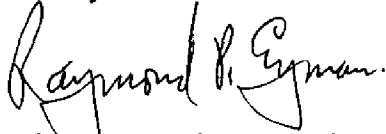
Examined and approved:



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



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.