

APR 18 1940

6715

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Form 504 Rev. April 1935 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic <del>Hydrographic</del>	Sheet No. T-6715 (038)
State <u>Alaska</u>	
LOCALITY	
<u>Aleutian Islands</u>	
<u>Unnak Island</u>	
193 9	
CHIEF OF PARTY	
<u>R. L. Scheppe</u>	

U. S. GOVERNMENT PRINTING OFFICE

6715  
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DECLASSIFICATION BY NOAA  
PURSUANT TO DOC SYSTEMATIC REVIEW  
GUIDELINES AS DESCRIBED IN SECTION  
3.3 (a), EXECUTIVE ORDER 12356

Applied to chf. 8802 F.M.A. Nov. 1940  
" " " 8861 JTW Jan. 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. Q-38

T6715

REGISTER NO. T-6715

State Alaska Aleutian Islands

General locality Aleutian Islands Unimak Island

Locality Agutuk Pt. to Cape Chagakof Vicinity  
Unimak Island

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

Vessel SURVEYOR

Chief of party R.L. Schoppe

Surveyed by J.M. Smook

Inked by J.M. Smook

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, 1939

Remarks: Form lines incomplete-- need additional elevations.



DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC  
SHEET Q 38 <sup>F-6715</sup> SHIP SURVEYOR, 1939.

DATE OF INSTRUCTIONS.

The following work was done in accordance with orders dated February 3, 1938.

LOCALITY.

This sheet was started in 1938, and the completed part was sent in. (F-6555)  
The balance, which is covered here, runs from  $\Delta$  Hag (Latitude  $53^{\circ} 29.4'$ , Longitude  $168^{\circ} 18.2'$ ) to  $\Delta$  Nest (Latitude  $53^{\circ} 32.4'$ , Longitude  $168^{\circ} 11.9'$ ).

COASTLINE.

The coast between the two points mentioned trends in a general NE-SW direction. From  $\Delta$  Hag to  $\odot$  Eps (Latitude  $53^{\circ} 31.4'$ , Longitude  $168^{\circ} 14.3'$ ) the beach is generally sandy, thence around to  $\odot$  Nun (Latitude  $53^{\circ} 31.8'$ , Longitude  $168^{\circ} 13.9'$ ) the shore is rocky, rising to about 20 feet, while the grass starts anywhere from 20 to 50 meters from the water's edge; from  $\odot$  Nun to  $\odot$  Hog (Latitude  $53^{\circ} 32.1'$ , Longitude  $168^{\circ} 11.9'$ ) there is a bold bluff rising about 200 feet, and back from the bluff the ground has a gentle grassy slope.  $\Delta$  Nest is on a rocky islet 45 feet high, which is well covered with bird nests in the spring and is the habitat of many sea-gulls.

The grass extends up to about the 700 foot elevation and above this the ground is generally rocky.

SURVEY METHODS.

A traverse was run from  $\Delta$  Hag along the beach to  $\odot$  Quiz (always resecting on a distant  $\Delta$  station for the azimuth), then from  $\Delta$  Jut back to  $\odot$  Quiz. The distance agreed practically perfectly, so no adjustment was necessary. A traverse was also run between  $\Delta$  Nest and  $\Delta$  Jut and no adjustment was necessary.

There was no deviation from standard practice.

FORM LINES.

The form lines are not complete, as no opportunity was afforded to go up in the hills to get additional elevations and see the terrain. One day the party went up to  $\Delta$  Ell, but the fog set in before the station was reached and no work was accomplished.

The few elevations shown were taken from the beach, while the shore line was being run in. From these points it was only possible to see up to about the 700 foot elevation, where there apparently is a general leveling off, before the rise starts again.

On the unfinished sheet Q-38, a small knoll, elevation 770 feet, is shown at Latitude  $53^{\circ} 30.1'$ , Longitude  $168^{\circ} 14'$ . Inasmuch as an elevation of the same height was determined at Latitude  $53^{\circ} 30'$ , Longitude  $168^{\circ} 15'$ ,



and no special knoll was apparent at that time, the form lines are dotted over the area in question. It should be investigated further when the form lines are completed. Also additional elevations should be determined where the form lines are shown by a full line, as these may be changed slightly.

#### JUNCTIONS.

This sheet joins Field No. A-39<sup>(F 6714)</sup> on the SW and with the balance of Q-38<sup>(F 6555)</sup> on the NE. The dotted form lines on A-39<sup>(F 6714)</sup> have been extended too far near the shore end and should be disregarded where they fail to join this sheet. Otherwise the agreement is alright. *Extended form lines crossed and made to join the form lines on this sheet.*

The junction on the NE is in good agreement. Mention was made above regarding the 770 foot knoll of the previous work.

#### NAMES.

No new names have been assigned to this sheet.

#### PLANE-TABLE POSITIONS.

No list of plane-table positions is furnished with this sheet as there are no outstanding landmarks and no station marks were set. The signals used between the  $\Delta$  stations were mostly of a temporary nature, being flags and whitewashed logs and some whitewashes on rocks. (See page 3.)

#### STATISTICS.

Statute miles of shoreline -----6.67  
Square statute miles of completed form lines -----4.0

Respectfully submitted,

*J. M. Smook,*  
J.M. Smook,  
H. & G. Eng.,  
In Charge of Processing Office.

Approved:

*Ray L. Schoppe,*  
Ray L. Schoppe, Chief of Party,  
Commanding Str. SURVEYOR.

## List of Unmarked Recoverable Stations

Sheet Q 38 ( T 6714 )

Name	Latitude	Longitude	Description
Ann	53° 29' 768m.	168° 17' 444 m.	Waterfall. At its greatest volume point near the top. 260 m. from H.W. and about 50 ft. high.
Roy	53° 30' 1641 m.	168° 15' 140 m.	Small flat boulder at HW line, in front of stream. There is sand all around it.
Hog	53° 32' 218 m.	168° 11' 1010 m.	Waterfall. About 60 ft. high, 110 m. from HW line.

## Remarks

## Decisions

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# GEOGRAPHIC NAMES

Survey No.

**T6715**

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	
<u>Umnak Island</u>									1
<u>Cape Chagak</u>									2
<u>Agulink Point</u>									3
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# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
DESCRIPTIVE REPORT  
PHOTOSTAT OF

~~No. 11~~  
No. T

**T6715**

*CONFIDENTIAL*

received April 15, 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
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RETURN TO

82	T. B. Reed
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✓ JBSOR

DIVISION OF CHARTS

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6715 (1939) FIELD NO. Q-38

Aleutian Islands, Umnak Island, Cape Chagak and Vicinity  
Surveyed in May and June 1939, Scale 1:20,000  
Instructions dated February 3, 1938 (SURVEYOR)

Plane Table Survey

Aluminum Mounted

Chief of Party - R. L. Schoppe.  
Surveyed by - J. M. Smook.  
Inked by - J. M. Smook.  
Reviewed by - Leo S. Straw, May 14, 1940.  
Inspected by - H. R. Edmonston.

1. Junctions with Contemporary Surveys.

The junction with T-6555 (1938) on the east and T-6714 (1939) 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 charted shoreline is over a mile too far southeast at triangulation station HAG, Lat.  $53^{\circ} 29.4'$ , Long.  $168^{\circ} 18.23'$  when compared with the present survey. Southwest of Cape Chagak the bluff is not continuous as represented on the chart. A good description of this coast is given in the descriptive report on page 1. Within the area covered, the present survey should supersede all charted information.

4. Condition of Survey.

Due to the prevalence of fog in this area, an insufficient number of elevations were obtained for drawing the form lines above 500 feet. In order to give some idea of the configuration of the terrain, form lines are shown by dashed lines. They may be revised if and when a form line survey is made of the inland area.

5. Magnetic Declination.

Local magnetic disturbance is apparent on this survey. There is a difference of about  $1^{\circ}$  in the magnetic



declination determined on the present survey at the same station (Triangulation station NEST - 1936) and the value on T-6555 (1938). The magnetic declination at triangulation station HAG - 1937 is approximately 3° greater than the charted value and 4° greater than the value obtained at triangulation CROP (1-1/4 miles southwest) on T-6714 (1939). See descriptive report of T-6714. The above has been referred to the Division of T. M. & S. Neither the number of the declinometer nor the index correction was shown at the stations occupied.

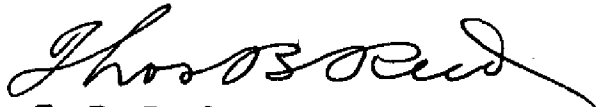
6. Compliance with Instructions for the Project.

Satisfactory.

7. Additional Field Work Recommended.

A sufficient number of elevations to properly draw the form lines above 500 feet is desirable. The continuation of the intermittent streams shown on the adjoining survey T-6555 (1938) should also be made.

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.