

6751

CONFIDENTIAL

Daq. Cnt. No. 8861-1

Form 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. H-40 T 6751
U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES MAR 3 1941 Acc. No.	
State Alaska	
LOCALITY Yunaska Island,	
Alaska	
1940	
CHIEF OF PARTY J. H. Peters	

U. S. GOVERNMENT PRINTING OFFICE 102221

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. H-40

REGISTER NO. T6751 T6751

State ~~Alaska~~ Aleutian Islands

Islands of Four Mountains

General locality ~~Aleutian Islands~~

Locality Yunaska Island

Scale 1-20000 Date of survey July & September, 1940

Vessel U. S. C. & G. S. S. EXPLORER

Chief of party J. H. Peters

Surveyed by C. J. Wagner, H. A. Paton, John Laskowski

Inked by C. J. Wagner

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

TOPOGRAPH SHEET H-40

YUNASKA ISLAND, ALASKA

SEASON OF 1940

- o -

U. S. C. & G. S. S. EXPLORER

J. H. Peters, Comdg.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPH SHEET H-40

YUNASKA ISLAND, ALASKA

SEASON OF 1940

INSTRUCTIONS DATED

February 21, 1940 referring to instructions issued to
SURVEYOR and PIONEER under date of February 3, 1938 , project H-218.

LIMITS

This sheet covers the central portion of Yunaska Island,
Aleutian Islands, Alaska.

GENERAL DESCRIPTION

The portion of Yunaska Island covered by this sheet is generally flat to gentle slopes from the bluff backing the shoreline up to the base of the mountains. These flats are occasionally broken by hills and knolls. Almost every hill is crescent shaped, with a sharp curved ridge forming the highest part.

The bluff backing the beach in vicinity of signal "WOE" is black cinders, as is the bluff to southeast of triang. station "END" 1939, and the bluff to east & west of triang. sta. "EASY" 1939.

The island is generally grass covered below 1000 ft. elev. and the grass is so thick and matted on the lower flats, that hiking across country is difficult.

LANDMARKS FOR CHARTS

See form 567.

CHARACTER OF CONTROL

The control is from the triangulation executed by the U. S. C & G. S. S. PIONEER in 1939 and 1940.

SURVEY METHODS & TRAVERSES

A traverse was run from signal "CYL" east to end of sheet. This traverse was closed on a point located by traverse by H. A. Paton, sheet G-40, and the error between the two points was 5 meters. A mean position was taken, and no adjustment of shoreline and signals made.

Due to heavy swell on the south shore of the island, landings on the beach to accomplish the shoreline could not be made. Therefore the signals were cut in by sextant angles, using triangulation stations for fixes, with launch stopped for each fix. The off-lying rocks and supplemental points along the beach were also cut in. Then the shoreline was sketched from a small boat between the located signals and intermediate points.

The remainder of the shoreline on the sheet was located by using three point fixes and resection for control.

MAGNETICS

Declinatoire observations were made at following stations with the following results:

Station	Date	Time	Variation
"END"	July 30, 1940	12:05 p.m.	12°37 ' E
"HAM"	Sept. 4, 1940	10:45 a.m.	15°03 ' E

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These observations were made with declinatoire with alidade
A-254, which was compared with transit declinometer no. 38979 and
compass declinometer no. H-11, on April 18, 1940, as follows:

Variation by transit declinometer No. 38979	=	23° 05'.6E	} Ave. 10.2'
" " compass " " No. H 11	=	23° 14'.8E	
" " declinatoire " " No. H 254	=	23° 33' E	} Index corr. -23'

FORM LINING

The form lining was accomplished mainly from offshore.

JUNCTIONS WITH ADJACENT SHEETS

This sheet joins sheet G-40 along this sheet's eastern limits
and sheet of M. V. E LESTER JONES, along this sheet's western limits
with satisfactory junctions.

COMPARISON WITH PUBLISHED CHART

Due to small scale of Chart 8802, no detailed comparison was
made.

LIST OF GEOGRAPHIC NAMES

The bight on the north shore to southwest of station "END", 1939
was called "CRATER ANCHORAGE" by all survey parties working in vic-
inity.

The bight on the south shore between triang. stations "SEAL", 1940
and "OUTER", 1940 was referred to as "SOUTH ANCHORAGE" by this party.

GENERAL

There was no water noticed in any of the drainage lines on north
shore of the island, except for a water fall about 75 meters west of
signal "COW" , which was noted only after a rain.

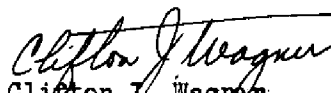
On the south side only one water fall, signal "WATER FALL", was noted. Just west of this water fall, seepage of water from the bluff was noted, and there was a thin water fall just west of "JUN", but it probably is dry except after a rain. The triang. party of the U. S. C. & G. S. S. PIONEER that established station "POND" 1939 informed this party that there is a large, shallow lake in approximate position as indicated on the sheet.

STATISTICS


Statute miles of shoreline = 15.0

Area in sq. statute miles = 22.6

Respectfully submitted,

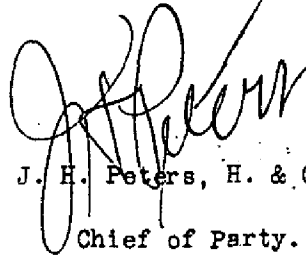

Clifton J. Wagner
Jr. H. & G. Engr.,

APPROVED AND FORWARDED:

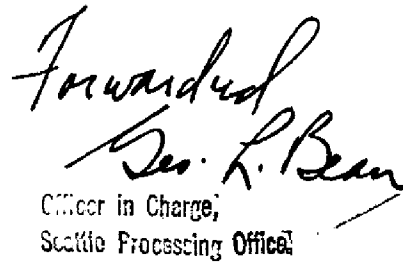

J. H. Peters
Commanding Officer
U.S.C. & G.S.S. EXPLORER

APPROVAL BY CHIEF OF PARTY

Sheet H-40 has been inspected and approved by me. The field work was done under my supervision, and no additional work is considered necessary.



J. H. Peters, H. & G. E.,
Chief of Party.



Forwarded
Sen. L. Bean
Officer in Charge,
Seattle Processing Office

Remarks.

Decisions

1	Submitted to U.S.G.B. OK to use	525705
2	Pending its decision.	
3	" " " "	U.S.G.B.
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GEOGRAPHIC NAMES
Survey No. **T6751**

GEOGRAPHIC NAMES	
Survey No. T6751	
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	
Crater Anchorage	1
South Anchorage	2
Yunaska Island	3
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FILED

L Heck 3/20/42

M 234

L Heck 3/20/42

U. S. GOVERNMENT PRINTING OFFICE

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTAT OF~~

~~No. T~~

No. T

T6751

(Confidential)

received Mar. 3, 1941
registered Mar. 5, 1941
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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25	✓	HBC	Page 1
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40	✓	OWS	Page 2
62			
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90			

RETURN TO

82	T. B. Reed
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✓ J030R

CONFIDENTIAL

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY

REGISTER NO. 6751

Field No. H-40

Aleutian Islands; Island of Four Mountains, Yunaska Island
Surveyed July - September 1940; Scale 1:20,000
Instructions dated February 3, 1938

Plane Table Survey

Aluminum Mounted

Chief of Party - J. H. Peters
Surveyed by - C. J. Wagner, H. A. Paton, John Laskowski
Inked by - C. J. Wagner
Reviewed by - R. H. Carstens
Inspected by - H. R. Edmonston

1. Junctions with Contemporary Surveys

A satisfactory junction was effected with T-6752 (1940) on the west and T-6750 (1940) on the east.

2. Comparison with Prior Surveys

No prior surveys of the area have been made by this Bureau.

3. Comparison with Chart 8802 (Latest print date 1-29-42)

The generalized topography shown on the chart originates with miscellaneous sources, possibly old Russian surveys, and should be superseded by the present survey.

4. Condition of Survey

a. Topography.

The inking of the shoreline and other topographic features was well done.

b. Magnetic Meridians.

Satisfactory declinatoire observations at two stations were obtained.

5. Compliance with Instructions

Satisfactory.

6. Additional Field Work Recommended

None.

7. Superseded Surveys

None.

Examined and approved:

Robert W. Knox

Chief, Surveys Section

J. S. Borden

Chief, Division of Charts

Frederick L. Peacock

Chief, Section of Hydrography

G. H. Rude

Chief, Division of Coastal
Surveys