

6744

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Form 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. B-40 T 6744
U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES MAR 3 1941 Acc. No.	
State Alaska	
LOCALITY (SOUTHERN HALF) KAGAMIL ISLAND	
ISLANDS OF FOUR MOUNTAINS	
ALEUTIAN ISLANDS, 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. B-40

REGISTER NO. T 6744

T6744

State ~~Alaska~~ Aleutian Islands

Islands of Four Mountains

General locality ~~Aleutian Islands~~

Locality Kagamil Island (South End)

Scale 1-20,000 Date of survey June, July, 1940

Vessel EXPLORER

Chief of party J. H. Peters

Surveyed by C. J. Wagner

Inked by C. J. Wagner

Heights in feet above MHW to ground ~~to tops of trees~~

~~Contours, approximate contours~~ Form line interval 100 feet

Instructions dated February 3, 1938

Remarks:

...

DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET B-40

SOUTHERN HALF KAGAMIL ISLAND

ISLANDS OF FOUR MOUNTAINS

ALEUTIAN ISLANDS, ALASKA

SEASON OF 1940

- o -

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

J. H. Peters, Comdg.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET B-40

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

J. H. Peters, H. & G. E.

Chief of Party

INSTRUCTION DATED

February 21, 1940, referring to instructions issued to Surveyor and Pioneer under date of February 3, 1938, project H218.

LIMITS

This sheet covers the southern half of Kagamil Island, Islands of Four Mountains, Aleutian Islands, Alaska.

GENERAL DESCRIPTION OF COAST

This half of Kagamil Island has a large mountain at its center, with steep upper slopes, the slope nearing the base making a somewhat abrupt change to large gently sloping or flat areas. These lower slopes generally terminate in rock bluffs or grass covered and dirt bluffs. Lower slopes of the mountain are grass and tundra covered, while the upper slopes are usually bare rock.

The shore at the south end of the island is very rough lava and boulders, the lava being most prominent in vicinity of triangulation station LU 1940.

^{52°58.0', 168°44.7'} The cliffs to west and north of triangulation station PALM 1940 are almost vertical, and extend into the water with no talus or ledge at the water line.

The cliffs at the southeast end of the island are broken in many places by caves.

The shoreline from signal Dog to signal Hit is backed by low dirt bluffs.

The shoreline is generally fringed by kelp, outer limits of which was located by hydrographic party.

LANDMARKS FOR CHARTS

See form 567. (attached)

CHARACTER OF CONTROL

The control is from the 1938 triangulation of the U.S.C. & G.S.S. PIONEER and the 1940 triangulation of the U.S.C. & G.S.M.V. E. LESTER JONES, and is considered adequate to rigidly control the survey.

SURVEY METHODS

Standard survey methods were used. Three point fixes and resection furnished sufficient control to eliminate the necessity for traversing.

AUXILIARY SURVEY METHODS

From northwest limit of the sheet to signal Nee, the cliffs were sheer into the water and planetable set-ups were non-existent. Accordingly, sextant fixes and cuts were taken and plotted on the sheet to locate signals Nee, Fo and Cut and the shoreline sketched between these signals from a small boat. Due to the regularity of the shoreline in this vicinity, the shoreline is believed to be shown on the sheet without appreciable error.

MAGNETICS

Declinatoire observations were taken at the following stations with the tabulated results:

Station	Date	Time	Variation
LU 1940	June 13, 1940	11:15 a.m.	16° 28'
CAP 1940	June 11, 1940	2:30 p.m.	13° 35'
WAL 1940	June 10, 1940	10:00 a.m.	10° 00'

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These observations were made with declinatoire with alidade no. 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° 05.6' E
Variation by compass declinometer no. H-11 = 23° 14.8' E
Variation by declinatoire no. 254 = 23° 33' E

FORM LINING

The form lining was accomplished mainly from offshore, sextant cuts being taken to supplement the few elevations that could be obtained by the planetable.

JUNCTIONS WITH ADJACENT SHEETS

T-6743(1940)

This sheet joins sheet A-40 along the north limits satisfactorily.

COMPARISON WITH PUBLISHED CHART

Due to small scale of chart 8802 no detailed comparison is made.

The island is charted about three and one-half miles east of its true position. *(Present chart shows correct position.)*

T-6742(1940)

See report for sheet A-40 for discussion of hachuring of island as shown on chart 8802.

LIST OF GEOGRAPHIC NAMES

No new names assigned to this area. The name of the island was taken from chart 8802.

GENERAL NOTE

The only stream of fresh water that appears to have continuous flow was near the shack, near northeast end of this sheet. (signal Shack)


Mr. Paul Willis, of Dutch Harbor, who leases Kagamil Island, informs this party that there is a lake on the flat to east of triangulation station MEAL and another lake in latitude $52^{\circ} 59.5'$ and longitude $169^{\circ} 42.6'$. These lakes were not seen by the topographic party.

STATISTICS


Statute miles of shoreline = 8.9

Area in square statute miles = 7.8

Respectfully submitted,

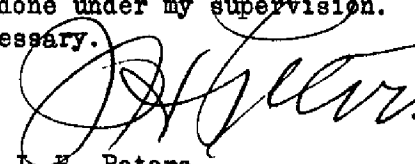

Clifton J. Wagner,
Jr. H. & G. E.,
U.S.C. & G.S.S. EXPLORER.

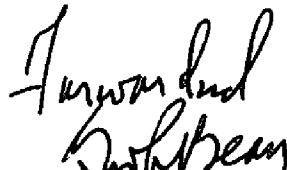
APPROVED AND FORWARDED


J. H. Peters,
H. & G. E., Chief of Party,
U.S.C. & G.S.S. EXPLORER.

Approval by Chief of Party

Topographic sheet B-40 has been inspected and
approved by me. The field work was done under my supervision.
No additional work is considered necessary.


J. H. Peters,
H. & G. E., Chief of Party,
U.S.C. & G.S.S. EXPLORER.


Forwarded
S. H. Bean
Officer in Charge,
Seattle Processing Office.

Remarks

Decisions

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2	For title	.
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GEOGRAPHIC NAMES
Survey No. **T6744**

GEOGRAPHIC NAMES											
Survey No. T6744											
Name on Survey											
	A, On Chart No.	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>Kagamil Island</u>										1	
<u>Islands of Four</u>										2	
<u>Mountains</u>										3	
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Names underlined in red approved

L. HECK 2/27/42

M 234

Names underlined in red approved
by L. Heath 2/27/42

TO BE CHARTED }
TO BE EXPLOITED }
STRIKE OUT ONE

LANDMARKS FOR CHARTS

Dutch Harbor, Alaska August 27, 1940

I recommend that the following objects which have (~~been~~ *not*) been inspected from seaward to determine their value as landmarks, be charted on (~~the~~ *new*) the charts indicated.

The positions given have been checked after listing.

R. L. ...

The positions given have been checked after listing.

J. A. Peters
Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOGRAPH OF~~

~~No. 11~~

No. T

T6744

(Confidential)

received Mar. 3, 1941
registered Mar. 3, 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
20			
22			
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25	✓	HSC	Pages 1 to 3
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RETURN TO

82	T. B. Reed
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✓ HSC

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DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. 6744

Field No. B-40

Aleutian Islands, Islands of Four Mountains,
Kagamil Island (South End)
Surveyed in June and July 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
Inked by - C. J. Wagner
Reviewed by - R. H. Carstens
Inspected by - H. R. Edmonston

1. Adjoining Surveys

The present survey joins T-6743 (1940) on the north.

2. Comparison with Prior Surveys

There are no prior surveys of the area by this Bureau.

3. Comparison with Chart 8802 (latest print date 1-18-43)

a. Topography

The charted topography originates with the present survey and, because of the small scale of the chart, only the generalized outline of the shore is shown.

b. Aids to Navigation

There are no charted aids to navigation within the limits of the present survey.

c. Magnetic Meridian

A difference of as much as 6-1/2 degrees was observed in the magnetic meridians at three stations. The difference with the charted value was as much as 3-1/2 degrees. This divergence is probably caused by local attraction and is also apparent in the topographic survey to the north.

