

6747

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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. C-40 T 6747
U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES MAR 3 1941 Acc. No. ....	
State	Aleutian Islands Alaska
LOCALITY	
Carlisle Island	
Islands of Four Mountains,	
<del>Aleutian Islands,</del>	
<del>Alaska</del>	
193.40	
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. C-40

REGISTER NO. T6747

T6747

State ~~Alaska~~ Aleutian Islands

Islands of Four Mountains

General locality ~~Aleutian Islands~~

Locality Carlisle Island

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 M. H. W. 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 C-40

CARLISLE 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 C-40

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

J. H. Peters, Chief of Party

INSTRUCTIONS DATED: February 21, 1940 referring to instructions  
February 3, 1938 issued to U.S.C. & G.S.S. SURVEYOR and U.S.C. &  
G.S.S. PIONEER, Project No. 218.

LIMITS

This sheet covers Carlisle Island, Islands of Four Mountains,  
Aleutian Islands, Alaska.

GENERAL DESCRIPTION OF COAST

Carlisle Island is a high volcanic cone, with upper slopes  
on a slope of about 30°, flattening out somewhat on the lower  
slopes which generally terminate in rock cliffs or steep grass  
covered bluffs.

The most prominent features along the shore are:

- (a) The lava tongue extending about  $\frac{1}{4}$  mile northeast of the  
island.
- (b) The large almost flat area, at an elev. of about 160 feet,  
that forms the west point of the island.
- (c) The sharp curving ridge extending from the lower south slope  
of the mountain, to form the south point of the island.
- (d) The knoll on the southeast end of the island, that extends  
southeasterly to form a rocky point.



The upper slopes of the mountain are snow covered, center slopes are dark lava. While the lower slopes, generally under 1500 feet elevation, are grass and tundra covered.

The rock off the north end of the island, signal "LION" 1940, when viewed from the east has the appearance of a ship partly sunk.

Kelp is found off the shoreline almost all around the island. For the outer limits see hydrographic sheet of this area.

H-6412 (1938-40), H-6571 (1940).

#### LANDMARKS

See form 567. Attached.

#### CHARACTER OF CONTROL USED

The control for this sheet is from the 1938 and 1939 triangulation executed by the U. S. C. & G. S. S. PIONEER and the 1940 triangulation executed by the U. S. C. & G. S. M. V. E. LESTER JONES, and is based on the Unalaska 1901 datum.

#### SURVEY METHODS

Standard survey methods were used.

#### CLOSING ERRORS OF TRAVERSES

A traverse was run from "TIP" 1938 to "LION" 1940, a distance of 4.1 statute miles, closure of 11 meters, and adjusted by straight line method.

A traverse was run from "LION" 1940 to "BIRD" 1939, a distance of 2.5 statute miles, closure negligible.

For the remainder of the sheet, (except as noted in next paragraph) three point fixes and resection eliminated need for traverses.

#### AUXILIARY SURVEYING METHODS

Due to extended period of rough weather, landings were impossible on the stretch of shore from signal "BULL" to signal "ROW" and from signal "GAL" to signal "ROB". It was necessary to locate signals "BULL", "FOG", "GIN", "ROW", "CRES", "MY", "ACK", "SEE", and "ROB" by sextant cuts from the ship to furnish control for the launch hydrography. These fixes and cuts were plotted directly on the topographic sheet. When continued rough weather prevented landings, the shoreline was sketched from a boat, and as the beach is quite regular between signals, it is believed to be without excessive error.

#### FORM LINING

Due to the height of the cliffs and cloudy weather, the elevations obtained by planetable had to be supplemented by sextant cuts from the ship. The form lining was generally accomplished from the ship or a launch.

#### MAGNETICS

The following declinitoire observations were taken with the tabulated results:

Station	Date	Time	Variation
"PIPE" 1939	July 13, 1940	9:09 a.m.	15° 11' E
"ONLY"	July 22, 1940	1:00 p.m.	12° 07' E
"PEA" 1938	June 27, 1940	3:00 p.m.	11° 30' E
"TIP" 1938	June 27, 1940	10:00 a.m.	11° 10' E
"FAD"	June 29, 1940	3:00 p.m.	12° 17' E

40

The above observations were taken with declinitoire with alidade no. 254, which was compared with transit declinometer



no. 38979 and compass declinometer no. H-11 on April 18, 1940 as follows:

Var. by compass decl. no. H-11 =  $23^{\circ} 14.8'$

Var. by transit decl. no. 38979 =  $23^{\circ} 05.6'$

Var. by declinatoire no. 254 =  $23^{\circ} 33'$

#### JUNCTIONS WITH ADJACENT SURVEYS

There is no shoreline junction with other surveys.

#### LIST OF GEOGRAPHIC NAMES

The name DRAGON POINT was applied to the south point of Carlisle Island by this party.

The pass between Carlisle Island and Chuginadak Island was referred to by this party as CARLISLE PASS.

#### LIST OF PLANETABLE POSITIONS

See cards, form 524

(10)

#### COMPARISON WITH PUBLISHED CHART

The island is charted on chart no. 8802, about 2 miles east of its true position.

The elevation was determined as 5280 feet instead of 7500 as charted.

#### GENERAL NOTES

There was only one stream, that appeared to flow continuously, on the island, about 75 m. west of signal "IG". Numerous small seepages on the face of the bluffs were noted on the west and north sides of the island. There was no water in the drainage valley by the shack on southeast side of the island.

Very few foxes were seen on the island, and these are the only

wild life on the island.

ELEVATIONS

The elevations of the following stations were determined by both this survey and the triangulation by the PIONEER, with the following results:

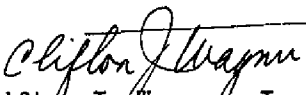
	Elev. by planetable	Elev. by triang.
Carlisle Peak 1938	5280	5283
Lisle 1938	308	304

STATISTICS


Statute miles of shoreline = 17.6

Area in square statute miles= 16.0

Respectfully submitted,

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

APPROVED AND FORWARDED;

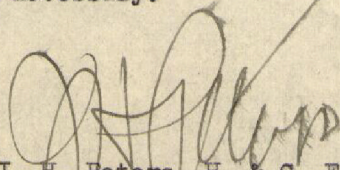
  
J. H. Peters, H. & G. E.  
Chief of Party.



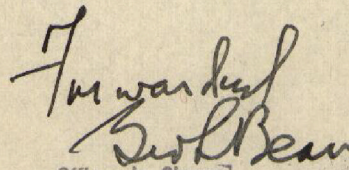
APPROVAL BY CHIEF OF PARTY

T-6747

Topographic sheet C-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. Eng.,  
Chief of Party, U. S. C. & G. S. S.  
Ship EXPLORER



Officer in Charge,  
Seattle Processing Office.

## Remarks

## Decisions

1		525700
2		"
3	OK to int, pending U.S. G. B. action	"
4		
5	For title	525695
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GEOGRAPHIC NAMES  
Survey No. **T6747**

GEOGRAPHIC NAMES											
Survey No. T6747											
Name on Survey											

Names underlined in red approved  
by L. HECK on 6/18/42

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE  
~~TO BE DELETED~~

Dutch Harbor, Alaska

August 27, 1935

I recommend that the following objects which have (~~been~~ *have not*) been inspected from seaward to determine their value as landmarks be charted on (~~deleted from~~) the charts indicated.  
The positions given have been checked after listing.

*J. H. Peters*

J. H. Peters  
Chief of Port

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTE
		LATITUDE		LONGITUDE									
		°	'	D. M. METERS	D. P. METERS								
					°	'							
✓ "PEAK" - Carlisle Peak 1938		52	53	1051.3	170	03	577.3	Un- Alaska 1901	Triang.	1938		/	7030 8802
✓ "CABIN" - Signal Cab, sheet C-40		52	52	1288	170	00	348	"	Topo	1940		/	*
"KNOLL" - Signal Tack, sheet C-40		52	54	136	170	06	796	"	"	"			*
"PINNACLE" (540') Sig. "HIVE"		52	55	224	170	05	641	"	"	"			*
✓ "BLACK ROCK" - Sig. "YES"		52	53	1044	169	59	1005	"	"	"			*
"ROCK" (31') - Triang. "LION" 1940		52	55	1084.9	170	05	364.5	"	Triang	"			*
✓ "ROCK" ----- Drag-sheet C-40	<i>of too vague a description - V.M. - omitted in Ch. 9030</i>	52	52	363	170	03	538	"	Topo	"			*
✓ "1400' "PEAK" - Save-sheet C-40		52	53	1280	170	05	903	"	"	"			*
	*These listed for use if a chart of this area is published												
	on larger scale than 8802.												

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  
~~PHOTOSTAT OF~~

~~No. 11~~

No. T

**T6747**

(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			
24			
25	✓	<i>HBC</i>	<i>Pages 1 to 5</i>
26			
30			
40	✓	<i>ows</i>	<i>Page 3</i>
62			
63			
82			
83			
88			
90			

RETURN TO

82	T. B. Reed
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✓ *TBR*

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DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY

REGISTER NO. 6747

Field No. C-40

Aleutian Islands; Islands of Four Mountains; Carlisle Island  
Surveyed June - July 1940, Scale 1:20,000  
Instructions dated February 3, 1938 (SURVEYOR)

Plane Table Survey

Aluminum Mounted

Chief of Party - J. H. Peters  
Surveyed and inked by - C. J. Wagner  
Reviewed by - J. A. McCormick, June 11, 1942  
Inspected by - H. R. Edmonston

1. Adjoining Surveys

There are no overlaps with shoreline of other islands  
in this group.

2. Previous Surveys

This is the first detailed survey of Carlisle Island.

3. Comparison with Chart 8802 (New Print of 1-29-1942)

The latest print has been revised to show the island  
as found on the present survey.

4. Compliance with Project Instructions

Excellent.

5. Additional Field Work Recommended

None.

6. Superseded Surveys

None.

Examined and approved:

*Robert W. Knapp*

Chief, Surveys Section

*J. S. Borden*

Chief, Division of Charts

*Irvin L. Peacock*  
Chief, Section of Hydrography

*G. H. Rude*  
Chief, Division of Coastal  
Surveys