DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Topographic</th>
<th>Sheet No.</th>
<th>6747</th>
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</table>

U. S. COAST & GEODETIC SURVEY

LIBRARY AND ARCHIVES

MAR 3 1941

Acc. No. 6747

State: Alaska

LOCALITY

- Carlisle Island
- Islands of Four Mountains
- Aleutian Islands

196.40

CHIEF OF PARTY

J. H. Peters

DECLASSIFICATION BY NOAA

PURSUANT TO DOC SYSTEMATIC REVIEW

GUIDELINES AS DESCRIBED IN SECTION

3.3 (a), EXECUTIVE ORDER 12356
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

State. Alaska

General locality. Islands of Four Mountains

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

Contour. Approximate contour, 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.
INSTRUCTIONS DATED: February 21, 1940 referring to instructions
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 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.

LANDMARKS

See form 567. Attached.

CHARACTER OF CONTROL USED

The control for this sheet is from the 1936 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 TRAVERSERS

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 2.3 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", "FOO", "GIN", "ROW", "CRIS", "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 declinatior observations were taken with the tabulated results:

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<tr>
<th>Station</th>
<th>Date</th>
<th>Time</th>
<th>Variation</th>
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<td>&quot;PIPE&quot; 1939</td>
<td>July 13, 1940</td>
<td>9:09 a.m.</td>
<td>15° 11' E</td>
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<td>&quot;ONLY&quot;</td>
<td>July 22, 1940</td>
<td>1:00 p.m.</td>
<td>12° 07' E</td>
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<td>&quot;PEA&quot; 1938</td>
<td>June 27, 1940</td>
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<td>11° 30' E</td>
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<td>&quot;TIP&quot; 1938</td>
<td>June 27, 1940</td>
<td>10:00 a.m.</td>
<td>11° 10' E</td>
</tr>
<tr>
<td>&quot;FAD&quot;</td>
<td>June 29, 1940</td>
<td>3:00 p.m.</td>
<td>12° 17' E</td>
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</table>

The above observations were taken with declinatior 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° 14.8'
Var. by transit decl. no. 38979 = 23° 05.6'
Var. by declinonire no. 254 = 23° 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 CARLISEL PASS.

LIST OF PLANETABLE POSITIONS

See cards, form 524 (10)

COMPARISON WITH PUBLISHED CHART

The island is charted on chart no. 8902, 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-6141

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, R. & G. Eng.,
Chief of Party, U. S. C. & G. S. S.
Ship EXPLORER

[Signatures]

[Signatures]

Officer in Charge,
Seattle Processing Office.
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<td>Carlisle Island</td>
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<td>Carlisle Pass</td>
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<td>Dragon Point</td>
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<tr>
<td>Islands of Four</td>
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<tr>
<td>Mountains.</td>
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*Names underlined in red approved by L. Heck on 6/18/42*
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Dutch Harbor, Alaska August 27

I recommend that the following objects which have (have 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.

<table>
<thead>
<tr>
<th>GENERAL LOCALITY</th>
<th>NAME AND DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>METHOD OF LOCATION</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<td>&quot;FEAK&quot; - Carlisle Peak 1938</td>
<td>52 53 1051.3</td>
<td>170 03 577.3</td>
<td>Un-Alaska 1901INDOW</td>
<td>Triang. 1936</td>
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*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
PHOTOGRAPHIC
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.

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RETURN TO
82 T. B. Reed

✓ 2030x
CONFIDENTIAL

DIVISION OF CHARTS
SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY

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.

Examinined and approved:

[Signatures]

Chief, Surveys Section

Chief, Division of Charts

Chief, Section of Hydrography

Chief, Division of Coastal Surveys