DESCRIPTIVE REPORT

State: Alaska

LOCALITY

West end of Chuginadak Island

Islands of the Four Mountains,

Alaska

19340

CHIEF OF PARTY

J. H. Peters

U.S. COAST & GEODETIC SURVEY

LIBRARY AND ARCHIVES

MAR 3 1941

Sheet No. E-40

 CONFIDENTIAL

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

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. E-40

Register No. T6748

State: Alaska
Aleutian Islands
Islands Of Four Mountains

General locality: Aleutian Islands

Locality: Chugnecak Island (West end)

Scale: 1-20,000
Date of survey: June 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. N. to ground

Contour, Approximate contour, Form line interval: feet

Instructions dated: February 3, 1939

Remarks:

...
DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET E-40

WEST END OF CHUGINADAK ISLAND

ISLANDS OF THE FOUR MOUNTAINS,

ALEUTIAN ISLANDS, ALASKA

SEASON OF 1940

-- o --

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

J. H. Peters, Condg.
DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET E-40
U. S. C. & G. S. S. EXPLORER
J. H. Peters, H. & G.E., Chief of Party

INSTRUCTIONS DATED: February 21, 1940, referring to instructions
issued to SURVEYOR & PIONEER under date of Feb. 3, 1939. Project
No. 218.

LIMITS:
This sheet covers a portion of the shoreline on the west end
of Chuginadak Island, Islands of Four Mountains, Aleutian Islands,
Alaska.

GENERAL DESCRIPTION OF COAST
See descriptive report for sheet A-39 (PIONEER) written by
Lieut. H. A. Paton for general description of island, as this
sheet covers only the shoreline and adjacent area.

In general the shoreline is backed by lava bluffs and lava flows.
Grass covered hills are found in the area from the north-limits
of sheet to a line east of signal "Nig".

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

LANDMARKS FOR CHARTS
No landmarks are submitted for this sheet.
CHARACTER OF CONTROL

The control is from the 1936 and 1939 triangulation executed by the U. S. C. & G. S. S. PIONEER, and based on the Unalaska 1901 datum.

SURVEY METHODS

Standard survey methods were used in this sheet. Three point fixes and resection furnished sufficient control to eliminate the need for traversing.

FORM LINING

The form lining was accomplished on sheet A-39 (PIONEER).

MAGNETICS

The following declinatoire observations were made, with the tabulated results.

<table>
<thead>
<tr>
<th>Station</th>
<th>Date</th>
<th>Time</th>
<th>Variation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nig</td>
<td>June 24, 1940</td>
<td>2:20 p.m.</td>
<td>11°57' E</td>
</tr>
<tr>
<td>South of</td>
<td>June 16, 1940</td>
<td>4:30 p.m.</td>
<td>10°05' E</td>
</tr>
<tr>
<td>S. Dak, 1938</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The above observations were made with declinatoire with alidade No. H 254, which was compared with transit declinometer No. 38979 and Compass Declinometer No. H. 11 on April 13, 1940, as follows:

- Variation by compass decl. No. H-11 = 23°14.8' E.
- Variation by transit decl. No. 38979 = 23°05.6' E.
- Variation by declinatoire No. 254 = 23°33' E.
JUNCTIONS WITH ADJACENT SHEETS

This sheet joins sheet A-39 (PIONEER) satisfactorily.

COMPARISON WITH PUBLISHED CHART

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

GEOGRAPHIC NAMES

No new geographic names were assigned in the area covered by this sheet.

LIST OF PLANE TABLE POSITIONS

See cards, form 524.

GENERAL NOTE

No wild life was noted during the survey. At the north end of the bight to south of triangulation Low, a small waterfall was noticed but this dried up a few days later. This was the only fresh water noted along this stretch and is present only after a rain. The lava apparently is so porous that there is no run-off from the melting snow on this side of Mt. Cleveland.

STATISTICS

Statute miles of shoreline 7.2.

Respectfully submitted,

Clifton J. Wagner
Jr. H. & G. Engr.,
APPROVED AND FORWARDED:

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

APPROVAL BY CHIEF OF PARTY:

Topographic sheet E-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

Forwarded.

[Signature]
Office in Charge, Scientific Processing Office
<table>
<thead>
<tr>
<th>Remarks</th>
<th>Decisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. O.K. to inc. pending U.S. E.B. action.</td>
<td>525,695 0.5 6.8</td>
</tr>
<tr>
<td>2. For title</td>
<td>525,700</td>
</tr>
<tr>
<td></td>
<td>525,695</td>
</tr>
<tr>
<td>Name on Survey</td>
<td>A</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>---</td>
</tr>
<tr>
<td>Chuginadak Island</td>
<td></td>
</tr>
<tr>
<td>Chuginadak Pass</td>
<td></td>
</tr>
<tr>
<td>Islands of Four Mountains</td>
<td></td>
</tr>
</tbody>
</table>

Names underlined in red approved by L. A. Hegg on 6/18/42.
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY DESCRIPTIVE REPORT
PHOTOGERAPH

No. T  T6748 (Confidential)

received Mar. 3, 1941
registered Mar. 4, 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.

<table>
<thead>
<tr>
<th>ROUTE</th>
<th>Initial</th>
<th>Attention called to</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>62</td>
<td></td>
<td></td>
</tr>
<tr>
<td>63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>82</td>
<td></td>
<td></td>
</tr>
<tr>
<td>83</td>
<td></td>
<td></td>
</tr>
<tr>
<td>88</td>
<td></td>
<td></td>
</tr>
<tr>
<td>90</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

RETURN TO

| 82 | T. B. Reed |

V JOSER
DIVISION OF CHARTS
SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY

Aleutian Islands, Islands of Four Mountains,
Chuginadak Island (West End)
Surveyed June 1940, Scale 1:20,000
Instructions dated February 3, 1938 and February 21, 1940

Plane Table Survey

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, July 23, 1942

1. Adjoining Surveys

The present survey joins T-6746 (1939) on the east and north.

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)

A. Topography.

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

B. Aids to Navigation.

There are no fixed aids to navigation within the area of the present survey.

4. Condition of Survey

Satisfactory.

5. Compliance with Instructions for the Project

Satisfactory.

6. Additional Field Work Recommended

None.
7. **Superseded Surveys**

None.

Examined and approved:

Robert W. Large  
Chief, Surveys Section

J. S. Brown  
Chief, Division of Charts

Fred L. Peacock  
Chief, Section of Hydrography

Chief, Division of Coastal Surveys