DESCRIPTIVE REPORT

Topographic Sheet No. C - 38
Hydrographic Reg. No. T - 6640

State

LOCALITY

ALEUTIAN ISLANDS

& CREST UNALASKA ID.

Lion Bight & Vicinity

1938.

CHIEF OF PARTY

A. M. SOBIERALSKI

U. S. GOVERNMENT PRINTING OFFICE

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 Letter C - 39

REGISTER NO. T - 6640

State Alaska Aleutian Islands

General locality Aleutian Islands Unalaska Island

Locality S. Coast Unalaska Id. Lion Bight & Vicinity

Scale 1:20,000 Date of survey Sept. 1937 June - July 1928

Vessel U.S.C. & G.S.S. SURVEYOR

Chief of Party A. M. Sobieralski

Surveyed by G. A. Nelson - W. F. Deane

Inked by G. A. Nelson

Heights in feet above M.H.W. to ground

Form line interval 100 feet

Instructions dated February 3, 1928.

Remarks: __________________________

[Signature]

T. S. Government Printing Office: 1927
DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET C-38

REGISTER NO. T6640

ALEUTIAN ISLANDS

SOUTH COAST OF UNALASKA ISLAND

- 0 -

SEASON OF 1938

- 0 -

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET C-38

REG. # T-6640


SEASON OF 1938

AUTHORITY: This survey was made under the
Director's instructions dated February 3, 1938, Project No.
H.T.-176.

LOCALITY: This sheet covers six miles of
coast on the south side of Unalaska Island west of Kuliliak
Bay, Aleutian Islands, Alaska.

JUNCTIONS WITH OTHER SHEETS: It joins UE-37 on the east;
Airphoto Compilation #2, 1936 on the north, and B-38 (T6641)
on the west.

METHOD OF SURVEY: The standard plane table was
used exclusively.

The following traverses were run;

<table>
<thead>
<tr>
<th>Traverse</th>
<th>Distance</th>
<th>Closing Error</th>
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</thead>
<tbody>
<tr>
<td>KULIKA - JEAN</td>
<td>2 miles</td>
<td>0° (W.F. Deane-1937)</td>
</tr>
<tr>
<td>JEAN - DAISY</td>
<td>3.75 &quot;</td>
<td>3 m.</td>
</tr>
<tr>
<td>DAISY - PRONG</td>
<td>2 &quot;</td>
<td>0°</td>
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</table>

CONTROL: The triangulation of 1935 was
used, supplemented by several additional third order and
intersection stations located in 1938.

MAGNETICS: The magnetic meridian shown was
taken with compass declinometer No. 16. No local variation
was noted.

ELEVATIONS: These are in feet referred to
Mean High Water. In most cases several determinations were
made, the mean being rounded off to the nearest five feet.

*This declinometer was standardised at Green Lake Magnetic
Station, Seattle, Wash., on April 19, 1938. It gave a declin-
ation of 423° - 10.1' & 22° - 58.0' at 10:34 AM & 13:51,
respectively.
GENERAL DESCRIPTION OF COAST:

The area covered by this sheet is typical of the Aleutian Islands. The land is grass covered with numerous rock outcrops. Shores are steep-to with many cliffs, fringed with reefs and rocks awash outside of which kelp is general.

ANCHORAGES:

There are none.

OFFSHORE DANGERS:

Many rocks awash and breakers a short distance offshore, as noted.

GEOGRAPHIC NAMES:

Lion Rock; a suggested name for the arched rock, elevation 125 feet, lying five miles west of Kullikik Bay. When viewed from west of southward it is suggestive of a crouching lion.

Lion Bight; suggested for the well defined bight just east of "Lion Rock".

STATISTICS:

Shoreline - Statute Miles ..................... 12.5
Area - Square Statute Miles .................. 15.0

Respectfully submitted,

George A. Nelson,
Jr. H. & G. Engr., C. & G. Survey,
U.S.C. & G.S.S. SURVEYOR.
November 14, 1958:

Topographic Sheet C-36 (Register No. 6640) and the descriptive report accompanying it, have been examined by me and are approved and forwarded.

[Signature]
A. M. Sobieralski,
Commanding Officer,
U.S.C. & G.S.S. SURVEYOR.
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<th>Decisions</th>
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<td>1. Recommended by field party. See D.R. T6640</td>
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<td>2. Recommended by field party.</td>
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<td>Referral to USGB</td>
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<td>3. Recommended by field party. See D.R. T6641</td>
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<tr>
<td>Tower PC referred to USGB</td>
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<tr>
<td>4. Recommended by field party.</td>
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<td>Referral to USGB</td>
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<tr>
<td>Unalaska Island</td>
<td>✓</td>
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<tr>
<td>Lion Rock</td>
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<tr>
<td>Lion Bight</td>
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Names underlined in red approved by [Signature] on 9/17/39

Survey No. T6640
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
SUBJECT
No. T-6640

received May 8, 1939
registered June 14, 1939
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

\[Signature\]
Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6640 (1937-38) FIELD NO. C-38

Lion Bight and Vicinity, Unalaska Island, Aleutian Islands
Surveyed in Sept. 1937, June-July 1938, Scale 1:20,000
Instructions dated February 3, 1938 (SURVEYOR)

Plane Table Survey

Chief of Party - A. M. Sobieralski
Surveyed by - G. A. Nelson and W. F. Deane
Inked by - G. A. Nelson

Aluminum Mounted

1. Junctions with Contemporary Surveys.

The junctions with T-6602 (1937) on the east and T-6641 (1938) on the west are satisfactory.

This survey, at its northern limits, makes a satisfactory junction with the form lines on the paper tracing submitted with T-66270 (Air Photo Compilation No. 2 - 1936). In the overlapping area many more elevations were taken on T-6640 (1937-38) than on the air photo compilation, resulting in a better delineation of the form lines. Consequently the form lines on the latter, within the limits of T-6640 (1937-38) should be disregarded.

2. Comparison with Prior Surveys.

No prior topographic surveys have been made by this Bureau in this area.

3. Comparison with Chart No. 8602 (New Print dated November 3, 1936)

The chart, within the area of the present survey, is undoubtedly based on Russian Authority. The general configuration of the shoreline is similar, but the small scale of the chart precludes any detailed comparison with the present survey.


a. The descriptive report is satisfactory.

b. The field drafting is satisfactory.

5. Compliance with Instructions for the Project.

The survey complies with the instructions for the project.

6. Additional Field Work Recommended.

No additional field work is required.

7. Reviewed by Leo S. Straw, September 7, 1938

Inspected by H. R. Edmonston.
Examined and Approved:

T. B. Read  
Chief, Section of Field Records.

K. T. Adams  
Chief, Division of Charts.

Fred L. Peacock  
Chief, Section of Field Work.

Chief, Division of H. & T.