

6640

U. S. COAST & GEODETIC SURVEY  
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6640  
~~CONFIDENTIAL~~

Form 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic <del>Hydrographic</del>	Sheet No. C - 38 Reg. No. T - 6640
State	Aleutian Island <del>ALASKA</del>
LOCALITY	
<del>ALEUTIAN ISLANDS</del>	
<del>S. COAST</del> UNALASKA ID.	
Lion Bight & Vicinity	
748 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

Applied to Confidential Chart 9022 before being reported 5/15/39 H.M.

Applied to conf. chart 9020 Aug. 1939 May 1940. L.am.

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 Letter C - 38REGISTER 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, 1938.  
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 ~~100 to 500 feet~~  
~~xxxxxxx~~ Form line interval 100 feet  
Instructions dated February 3, 1938.  
Remarks:

DESCRIPTIVE REPORT  
TO ACCOMPANY TOPOGRAPHIC SHEET C-38

REGISTER NO. T6640

ALEUTIAN ISLANDS

SOUTH COAST OF UNALASKA ISLAND

- 0 -

SEASON OF 1938

- 0 -

U.S.S. SURVEYOR - A. M. SOBIERALSKI, Comdg.

1

DESCRIPTIVE REPORT  
TO ACCOMPANY TOPOGRAPHIC SHEET C-38

REG. # T-6640

U.S.S. SURVEYOR - A. M. SOBIERALSKI, Comdg.

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;

	Closing Error
KULIAK - JEAN (2 miles)	0 (W.F. Deane-1937)
JEAN - DAISY (3 $\frac{1}{2}$ " )	3 m.
DAISY - PRONG (2 " )	0

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 standardized at Green Lake Magnetic Station, Seattle, Wash., on April 19, 1938. It gave a declination of  $\pm 23^{\circ} - 10.1'$  &  $22^{\circ} - 58.0'$  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. ✓

OFFLYING 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 Kuliliak 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..... 16.0

Respectfully submitted,

  
George A. Nelson,  
Jr. H. & G. Engr., C. & G. Survey,  
U.S.C. & G.S.S. SURVEYOR.

November 14, 1938:-

Topographic Sheet C-38 (Register  
No. t-6640) and the descriptive report accompanying it, have  
been examined by me and are approved and forwarded.



A. M. Sobieralski,  
Commanding Officer,  
U.S.C. & G.S.S. SURVEYOR.

T 6640

	Remarks	Decisions
1		USGB decision
2	Recommended by field party - see D.R. T6640 Referred to USGB	" "
3	Recommended by field party Referred to USGB	" "
4	Recommended by field party see D.R. T6641 Tower PE referred to USGB.	" "
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# GEOGRAPHIC NAMES

Survey No. T6640

Name on Survey	On Chart No. 8802		On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
	A,	B,								
<u>Unalaska Island</u>	✓									1
<u>Lion Rock</u> 1										2
<u>Lion Bight</u>										3
<u>Tower Pt</u>										4
<del>Double Point</del>										5
										6
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Names underlined in red approved

by GHE on 5/19/39

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
 DESCRIPTIVE REPORT } ~~NO. 11~~  
~~PHOTO STATION~~ } 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.

ROUTE		Initial	Attention called to
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RETURN TO

82	T. B. Reed
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✓ *TBR*

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

Aluminum Mounted

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

1. Junctions with Contemporary Surveys.

The junctions with T-6600 (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 Tp5270 (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. 8802 (New Print dated November 3, 1938)

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.

4. Condition of 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, 1939.

Inspected by H. R. Edmonston.

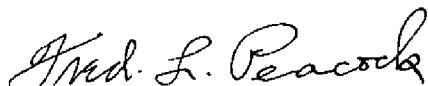
Examined and Approved:



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



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.