

6639

U. S. COAST & GEODETIC SURVEY
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Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic } Sheet No. D - 38
~~Hydrographic~~ } Reg. No. T - 6639

State Aleutian Islands
~~ALASKA~~

LOCALITY

~~ALUTIAN ISLANDS~~

~~RAVEN BAY~~ UNALASKA ISLAND

Raven & Open Bays

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

6639

~~CONFIDENTIAL~~

Applied to chart 8860 J.M.A. 8/31/39 ✓
Applied to chart #9019 L.A.M. June 5, 1940.

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 D-38REGISTER NO. T-6639State ~~Alaska~~ Aleutian IslandsGeneral locality ~~Aleutian Islands~~ Unalaska IslandLocality ~~Raven Bay - Unalaska Island~~ 8c Open BaysScale 1:20,000 Date of survey Aug. - Sept., 1938.Vessel U.S.C. & G.S.S. SURVEYORChief of Party A. M. SobieralskiSurveyed by G. A. NelsonInked by G. A. NelsonHeights in feet above M.H.W. to ground ~~to top of rocks~~~~Soundings are approximate~~ Form line interval 100 feetInstructions dated February 3, 1938.

Remarks: _____

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET D-38

REGISTER NO. T-6639

ALEUTIAN ISLANDS

RAVEN BAY - UNALASKA ISLAND

- 0 -

SEASON OF 1938

- 0 -

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

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET D-38

REG. # T-6639

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 Raven Bay ✓
and Open Bay on the south side of Unalaska Island, Aleutian
Islands, Alaska.

METHOD OF SURVEY:

The standard plane table was
used exclusively. Plane table positions were obtained chiefly ✓
by cuts and resections. The few traverses run were short
(under one mile) and closed satisfactorily.

JUNCTIONS WITH OTHER SHEETS:

It joins ^{T-6600} UE-37 on the west.
There are no other junctions. Other limits bounding on un-
surveyed areas. T-6719 (1939) joins on east.

CONTROL:

The principal control was
established by the 1935 triangulation. A few supplemental ✓
third order triangulation stations were added in Raven Bay. ✓

MAGNETICS:

The magnetic meridian at
station CROW, 1935, was obtained with compass declinometer ✓
No. 16. * ✓

No local variation was noted. ✓

ELEVATIONS:

These are in feet. In most
cases several determinations were made and the elevations ✓
rounded off to the nearest five feet. Checks on the
several elevations obtained were usually within three feet
of the mean. They are referred to mean high water.

*This declinometer was standardized at Green Lake Magnetic
Station, Seattle, Wash., on April 19, 1938. It gave a dec- ✓
lination of $+23^{\circ} - 10.1'$ & $22^{\circ} - 58.0'$ at 10:34 AM & 13:51,
respectively.

GENERAL DESCRIPTION OF COAST:

The area covered by this sheet is typical of the Aleutian Islands. Thick grasses cover the flats and ascend the mountains with decreasing length, disappearing at about the 1500 foot level. There are numerous rocky outcrops. Cliffs are general along the coast and the shores steep-to. ✓

There is coarse sand at the extreme head of Raven Bay with suitable flats for beaching small craft. ✓

ANCHORAGES:

Excellent anchorage for small boats may be had at the extreme head of the narrows in Raven Bay just south of the prominent islet at its head. ✓

The small cove just west of the middle part of the narrows is good for small craft also, but the swinging room is scant owing to a reef on its west side. There are abandoned saltery buildings at its head. ✓

Crow Arm, the stocking shaped arm on the east side of Raven Bay is too deep for ready anchorage. Considerable swell makes into it during southerly weather. ✓

Larger vessels may anchor in the basin north of Ogangin Island, the large island in the entrance of Raven Bay. ✓

^{Point} Open Bay, the first bay east of Reef Cape, is wide open to the south and offers scant protection. ✓

DANGERS:

There is a dangerous rock awash at M.L.L.W., near mid-channel of the narrows in Raven Bay and 2/3 of a mile north of the entrance to the narrows. This rock may be avoided by keeping west of the range formed by the west tangent of the prominent islet forming the east side of the entrance to the narrows, and the slightly projecting point on the east side of the narrows 2/5 of a mile north of the entrance. After passing this rock there are no further hidden dangers to the head of the bay. ✓

A reef, awash at H.H.W., lies 1/2 mile south of Reef ^{Point} ~~Cape~~. This reef may actually be one or two feet above Mean High Water, but as it is continually awash, due to the ocean swell, at all stages of the tide, it is shown as a reef rather than as an islet. ✓

GEOGRAPHIC NAMES:

Raven Bay, Open Bay and Reef Cape were obtained from Chart 8802, 1936. ✓

Ogangan Island; this name for the large island in the entrance to Raven Bay, was obtained from Mr. Jacobsen, the owner of the saltery in Raven Bay. He states that it is the native name for the island. ✓

Crow Arm is suggested for the arm on the east side of Raven Bay because of its association with Raven. ✓

STATISTICS:

Shoreline	-	Statute Miles.....	35.0
Area	-	Square Statute Miles.....	22.0

Respectfully submitted,

George A. Nelson

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

November 14, 1938:-

Topographic Sheet D-38 (Register
No. T-6639) and the descriptive report accompanying it, have
been examined by me and are approved and forwarded. ✓

A. M. Sobieralski

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

Remarks.

Decisions

1	USGB decision	File No 530 665
2		" 530 665
3		" 530 665
4		" 530 665
5	Recommended name Referred to USGB 7/15/39	" 530 665
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7	local native name	" 530 665
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GEOGRAPHIC NAMES

Survey No. **T-6639**

GEOGRAPHIC NAMES											
Survey No. T-6639											
Name on Survey											
	A,	B,	C,	D	E	F	G	H	K		
<u>Unalaska Island</u>	✓										1
<u>Open Bay</u>											2
<u>Reef Cape</u> <u>Point</u>	Reef pt										3
<u>Raven Bay</u>	✓										4
<u>Crow Arm</u>			USGO decision								5
<u>Pacific Ocean</u>	✓										6
<u>Oganger I</u>											7
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✓ GHE											26
7/15/39											27
											M 234

✓ JHE

7/15/39

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT } ~~None~~
~~PHOTOSTATION~~ } No. T-6639

{ 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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V JBR

DIVISION OF CHARTS

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6639 (1938) FIELD NO. D-38

Aleutian Islands; Unalaska Island, Raven and Open Bays
Surveyed in August - September 1938, Scale 1:20,000
Instructions dated February 3, 1938, (SURVEYOR)

Plane Table Survey

Aluminum Mounted

Chief of Party - A. M. Sobieralski.
Surveyed and inked by - G. A. Nelson.
Reviewed by - J. A. McCormick, October 3, 1940.
Inspected by - H. R. Edmonston.

1. Junctions with Contemporary Surveys.

Satisfactory junctions were made with T-6600 (1937) on the west and T-6719 (1939) on the east. There are no form line surveys adjoining on the north but form lines for all of Unalaska Island are now being compiled by the U. S. Army from air photographs.

2. Comparison with Prior Surveys.

This is the first topographic survey of this area by the Coast and Geodetic Survey.

3. Comparison with Chart 8802 (New Print of Dec. 21, 1939).
Chart 8860 (New Print of July 13, 1939).

Superseded topography now charted in this area was sketched on H-5972 (1935), offshore hydrographic survey.

4. Condition of Survey.

Satisfactory.

5. Compliance with Instructions for the Project.

Satisfactory.

6. Additional Field Work Recommended.

None.


7. Superseded Surveys.

None.

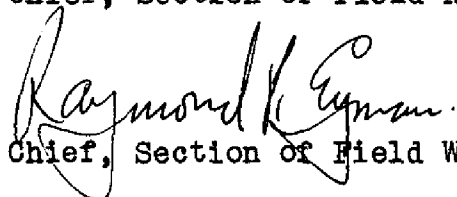
Examined and approved:



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



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.