

U. S. GOVERNMENT PRINTING OFFICE: 1954

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 16779

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 G-1940.

REGISTER NO.

State ALASKA. Aleutian Islands
General locality North Side Unimak Island.
Locality Cape Lapin. Eastward
Scale 1:20,000 Date of survey July, 19 40.
Vessel U.S.C. & G.S.S. GUIDE.
Chief of Party Geo. L. Bean.
Surveyed by Francis X. Popper.
Inked by Francis X. Popper.
Heights in feet above M H W to ground ~~to tops of trees~~
Contour Approximate ~~contour~~ Form line interval 100 feet
Instructions dated March 8, 1939.
Remarks: Project HT-231.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET, FIELD LETTER G

1940

T6779

NORTH SIDE OF UNIMAK ISLAND, ALASKA

AUTHORITY

Authority for this survey is contained in the Director's Instructions dated March 8, 1939, Project No. HT-231. ✓

SCALE

The scale of this survey is 1:20,000. ✓

LIMITS

This sheet covers the North Coast of Unimak from the most westerly of the two points forming Cape Lapin, Longitude $164^{\circ}10'$ W to a point about $2\frac{1}{2}$ miles southwest of Rocky River Point, Longitude $163^{\circ}56'$. ✓

GENERAL DESCRIPTION OF AREA

The area between the high and low water lines is in general sandy beach with the exception of the area comprising the two points which form Cape Lapin; this area is sandy but there is also gravel, numerous boulders and kelp. The reef appears to be part of a lava flow. The beach and the area between the high ^{and low water} lines are of the same material. The low water line is estimated. ✓

Parallel to the shoreline, beginning just west of the most easterly of the two points forming Cape Lapin and extending in an easterly direction, is a row of sand dunes. These dunes are sand on the shore side and grass covered on the other side. They shift somewhat from year to year. ✓

Along the remainder of the shore line shown on this sheet are steep bluffs composed of hard compacted sand. ✓

South of Cape Lapin and extending east to the river just east of Cape Lapin is a marsh which extends about one and one half miles inland. Behind it are rolling grass covered hills. To the east of this river are gently sloping grassy meadows. ✓

The triangulation station "Altair" is located on a lava bed. ✓

The river just east of Cape Lapin is of moderate size and is fed by snows on the slopes of the volcanoes, springs in the hills and seepage from the surrounding country. During the time of this survey the water in this river was clear. The remainder of the streams on this sheet are fed by springs. ✓

CONTROL

This survey is based on triangulation executed by a party from the ship GUIDE in 1940. The Unalaska Datum was used. The positions were plotted from the unadjusted field computations. ✓

SURVEY METHODS

The plane table and stadia were used with no deviation from standard practice. All traverses closed well within the allowable limits and were adjusted. ✓

Traverse:	Length in Stat. miles:	Closing error in meters:	Azimuth:
Lapin 1940 to Radio Pole 1940	2.0	3	11
Radio Pole 1940 to Argus 1940	2.5	7	7
Argus 1940 to Sirius 1940	3.0	7	10
Sirius 1940 to Mars 1940	3.0	5	5

✓

FORM LINES AND ELEVATIONS

The form line interval is 100 feet. ✓

JUNCTIONS

Satisfactory junctions were made with adjoining sheets. To the westward this sheet joins Sheet Field Letter "F"-1940. ^{T-6718} To the eastward this sheet joins Sheet Field Letter "H"-1940. ^{T-6780} Both of the adjoining sheets were completed during this season. ✓

GEOGRAPHIC NAMES

Cape Lapin is known as such on the chart and is also known locally as Cape Lapin. ✓

The stream just east of Cape Lapin forms a small pond of fresh water near its mouth which is known locally as Emil's Pt. Lagoon. Several residents of the island were consulted and as far as could be determined this stream has no local name. If a name is to be applied Emil's Creek is recommended. ✓

Approximately 1.2 statute miles southwest of triangulation station "Mars" is a small stream which is known locally as North Creek. ✓

COMPARISON WITH HYDROGRAPHIC SHEETS AND CHARTS

^{At the time of this survey}

1 Inshore hydrography has been completed in this area up to triangulation station "Sirius". There are no discrepancies between the hydrographic and topographic sheets. There can be no detailed comparison between the topographic sheet and the nautical chart because the chart is only reconnaissance and is on a much smaller scale; however the shore line of the chart is out of place as much as three minutes of longitude. ✓

LANDMARKS

There are no landmarks in this area which should be charted. ✓

MAGNETIC DECLINATIONS

No indication of local magnetic attraction was found in this area. ✓

STATISTICS

Statute miles of shoreline - - - - - 10.3
Statute miles of lagoon and river shoreline - 2.3 ✓
Area in square statute miles - - - - - 37.0

Respectfully submitted,

Francis X. Popper

Francis X. Popper,
Aid, C. & G. Survey.

T-6779

Topographic Sheet Field Letter "G"-1940 and the
descriptive report pertaining thereto have been exam- ✓
ined by me and are approved and forwarded.

Chas M. Thomas

Chas. M. Thomas,
Lieutenant, C. & G. Survey,
Commanding Ship GUIDE.

Remarks

Decisions

1		U.S.G.B
2		545640
3	Do not enter pending decision U.S.G.B	"
4		"
5		545635
6		545640 U.S.G.B
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GEOGRAPHIC NAMES

Survey No. **T6779**

GEOGRAPHIC NAMES											
Survey No. T6779											
Name on Survey											
	A.	B.	C.	D.	E.	F.	G.	H.	K.		
Bering Sea											1
Cape Lapin											2
Emils Creek											3
Emils Point Lagoon											4
North Creek											5
Unimak Island											6
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Names underlined listed upon order

By L. Heck on 5/5/42

M 234

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTAT OF~~

~~No. 1111~~

No. TT6779

received January 14, 1942
registered January 15, 1942
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	R. W. Knox
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WBK

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY

REGISTER NO. 6779

FIELD NO. G

Aleutian Islands; North Side of Unimak Island;

Cape Lapin Eastward

Surveyed July 1940, Scale 1:20,000

Instructions dated March 8, 1939 (GUIDE)

Plane Table Survey

Aluminum Mounted

Chief of Party - G. L. Bean

Surveyed and inked by - F. X. Popper

Reviewed by - J. A. McCormick, May 2, 1942

Inspected by - H. R. Edmonston

1. Adjoining Surveys

Satisfactory junctions were effected with T-6778 (1940) on the west and with T-6780 (1940) on the east.

2. Previous Surveys

The Coast and Geodetic Survey has made no other topographic surveys in this area.

3. Comparison with Chart 8860 (New Print of 2-3-1942)

Topography charted in this area is sketched and cannot compare with that of the present survey.

4. Compliance with Project Instructions

Excellent.

5. Additional Field Work Recommended

None.

6. Superseded Surveys

None.

Examined and approved:

Robert W. King
Chief, Surveys Section

J. S. Borden
Chief, Division of Charts

acting *Med. L. Pascoe*
Chief, Section of Hydrography

W. H. H. H.
Chief, Division of Coastal Surveys