

6780

U. S. COAST & GEODETIC SURVEY

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DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
R. S. PATTON, DIRECTOR	
L. O. Colbert	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. H
State Aleutian Islands	
LOCALITY	
Vicinity of Rocky River Point	
North Side of Unimak Island	
1940	
CHIEF OF PARTY	
Geo. L. Bean	

U. S. GOVERNMENT PRINTING OFFICE: 1934

6780

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 16780

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 "H" 1940

REGISTER NO.

State Alaska Aleutian IslandsGeneral locality North Side of Unimak IslandLocality Vicinity of Rocky River PointScale 1:20,000 Date of survey August, 19 40Vessel Ship GUIDEChief of Party G. L. BeanSurveyed by H. C. ApplequistInked by H. C. ApplequistHeights in feet above MHW to ground ~~to tops of trees~~Contour Approximate contour Form line interval 100 feetInstructions dated March 8, 1939Remarks: Project HT-231

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET FIELD LETTER "H"

T6780

1940

NORTH SIDE OF UNIMAK ISLAND, ALASKA

AUTHORITY: Authority for this survey is contained in the Director's Instructions dated March 8, 1939, Project No. H.T. 231. ✓

SCALE: The scale of this survey is 1:^{20,000}~~10,000~~. ✓

LIMITS: This sheet covers the North Coast of Unimak Island from Otter Point, Longitude 163°46", to a point about 2½ miles southwest of Rocky River Point, Longitude 163°56". ✓

GENERAL DESCRIPTION OF AREA: The low water area is in general sandy with scattered boulders and some gravel at or near the points. The low water line was estimated. The beach is the same as the low water area. There is a row of hills back of and paralleling the shoreline. These hills are mostly fairly well solidified sand dunes although a few, mostly on the eastern part of the sheet, consist of loose sand which shifts from year to year. These hills are all grass covered and have sloping bluffs toward the shoreline. Back of these hills is a flat area varying from about two to four miles in width. East of Rocky River this area is marshy with occasional patches of solid ground. This marsh is very soft and practically impassible for horses. There are quite a few small ponds in these marshes; only a few of these were sketched on the sheet. ✓ East of Rocky River the area is mostly grassy meadow with a few small marshes. Back of the flat area there are rolling grass covered hills sloping up to the base of the row of volcanic hills near the center of the island. The change in grade at this point is quite abrupt. ✓

Rocky River is a fairly large river fed by the snows on the slopes of the volcanoes. At the time of this survey, August, 1940, the rivers were quite muddy; earlier in the year the water was clear. The other streams on this sheet are small and drain the marshes.

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.

CLOSING ERRORS OF TRAVERSES:

Traverse:	Length in Stat. miles:	Closing error in meters: Dist.: Azimuth:
MARS, 1940 to ROCKY, 1940	2.5	5 0
ROCKY, 1940 to HAMAL, 1940	2.9	3 1
HAMAL, 1940 to OTTER PT., 1940	1.8	7 0

FORM LINES AND ELEVATIONS: The form line interval is 100 feet. Broken, red lines were used in some places to show the general formation where the regular form line interval did not suffice. These lines were not meant to represent any definite elevation and should not be mistaken for 50 foot contours.

JUNCTIONS: Satisfactory junctions were made with adjoining sheets. To the westward this sheet joins Sheet Field Letter "G"-1940. To the eastward, this sheet joins Sheet Field Letter "J"-1940. This latter sheet was not completed during this season. Completed in 1941.

GEOGRAPHIC NAMES: Rocky River Point and Otter Point are shown as such on the charts and are also known locally by these names. The river shown on the charts as Shishaldin River is known locally as Rocky River. In view of the fact that the accepted name of the point near the mouth of the river is Rocky River Point it is recommended that the local

name, Rocky River, be used. The name Shishaldin River is applied locally to another large river whose mouth is about two miles east of Otter Point. This river is also known locally as Big River. Neither of these rivers have their origin on the slopes of Shishaldin Volcano and consequently the name Shishaldin River is not appropriate for either. The stream emptying near triangulation station HAMAL is known locally as Coal Oil Creek. The most eastern lagoon and stream is known locally as Otter Pt. Lagoon and Creek. If names are to be applied it is recommended that these be accepted.

COMPARISON WITH HYDROGRAPHIC SHEETS AND CHARTS: No inshore hydrography has been done in this area. The scale of the chart covering this area is so small that a comparison is impractical. Otter Point and Rocky River Point are considerably misplaced on the chart.

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 - - - - - 8.2

Statute miles of lagoon and river shoreline - 3.9

Area in square statute miles - - - - - 4.8

Respectfully submitted,

H. C. Applequist,
Jr. H. & G. E., C. & G. Survey.

Topographic Sheet Field Letter "H"-1940
and the descriptive report pertaining thereto have been
examined by me and are approved and forwarded.

Chas. M. Thomas,
Chief of Party, C. & G. S.,
Commanding Ship GUIDE.

Remarks.

Decisions

1		550635
2		"
3		550635
4	Pending with U.S.G.B.: do not ink	"
5		545640 U.S.G.B.
6		U.S.G.B.
7	Pending with U.S.G.B.: do not ink	550635
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GEOGRAPHIC NAMES

Survey No.

T6780

Name on Survey	On Chart No.		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,	C,	D,	E,	F,	G,	H,	K,							
<u>Coal Oil Creek</u>																1
<u>Point</u>																
<u>Otter Creek</u>																2
<u>Otter Point</u>																3
Rocky River Point																4
<u>Unimak I.</u>																5
<u>Bering Sea.</u>																6
<u>Shishaldin R. (or Rocky River)</u>																7
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Names underlined in red approved

L. Heck 5/5/42

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTO STAT OF~~

No. H
~~No. C~~

No. T T6780

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	H. W. Knox
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original

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY

REGISTER NO. 6780

Field No. H.

Aleutian Islands; North Side of Unimak Island;
Vicinity of Rocky River Point
Surveyed August 1940, Scale 1:20,000
Instructions dated March 8, 1939 (GUIDE)

Plane Table Survey

Aluminum Mounted

Chief of Party - G. L. Bean
Surveyed by - H. C. Applequist
Inked by - H. C. Applequist; J. A. McCormick
Reviewed by - J. A. McCormick, May 2, 1942
Inspected by - H. R. Edmonston

1. Adjoining Surveys

Satisfactory junctions were effected with T-6779 (1940) on the west and with T-6858 (1940-41) 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 Feb. 3, 1942)

Topography charted in this area is from sketched material and compares very unfavorably with the detail of the present survey.

4. General

The office reviewer inked datum notes, signal names, latitudes and longitudes, declinoire data and elevations. Omission of this detail was probably the result of an oversight on the part of the Oakland Processing Office.

5. Compliance with Project Instructions

Satisfactory.


6. Additional Field Work Recommended


None.

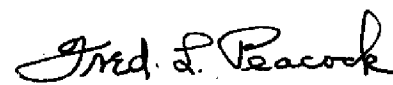
7. Superseded Surveys


None.

Examined and approved:


Chief, Surveys Section


Chief, Division of Charts

acting 
Chief, Section of Hydrography


Chief, Division of Coastal
Surveys