<table>
<thead>
<tr>
<th>LOCALITY:</th>
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<tbody>
<tr>
<td>Knik-Ska Bay - Alaska</td>
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<tr>
<td>Peninsula -</td>
</tr>
<tr>
<td>Knik Bay</td>
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</tbody>
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1920

CHIEF OF PARTY:

F. H. Hardy
DESCRIPTIVE REPORT

to accompany Topographic Sheet No. 3817

When the weather was unsuitable for triangulation observing a party from the Str. YUKON made a topographic survey of Sweater Bay, the first bay Northwest of Cape Ikti.

LIMITS: The finished topography covers the interior of the bay to an outlying rock, off Cape Ikti, about a half mile South of O Cairn, which is located on the boulder spit. That part of the shore, on the West entrance to the bay, shown as sketched (dashed) was located by intersecting on prominent shore objects from two set-ups but the base was very short.

CONTROL & METHOD: When the topography was done triangulation had not been completed in this vicinity but the signals were built. A projection was not used but triangulation signals were cut in and later the work was swung on a projection. As a whole the work is a traverse but a fix was used occasionally. Contours were located from vertical angles on hill tops and prominent marks on the hills. A scale of 1:20,000 was used.

GENERAL DESCRIPTION: The country surrounding the bay is very precipitous, the lower elevations being covered in thick alder and the higher are bare rock. The shoreline is rocky but appears to drop off suddenly and no outlying rocks were seen. The anchorage shown was used by the YUKON and afforded protection in any weather, sandy bottom. The bay as a whole is deep. The South entrance to the bay is marked by a boulder spit.

REMARKS: The outlying rock off Cape Ikti, 1/2 mile South of O Cairn marks the last rod reading and would be a suitable place to take up work. O Cairn is also a convenient beginning point.

NAME: This bay was known as Sweater Bay by the YUKON party as there was not a local name for it.

Respectfully Submitted,

E. F. Lewis
Jr. H. & G. Eng. Str. SURVEYOR
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

SECTION OF FIELD RECORDS.
REPORT ON TOPOGRAPHIC SHEET NO. 3617.
Surveyed in 1920.

Chief of Party: F. H. Hardy.
Surveyed by E. F. Lewis.

Inked by E. F. Lewis.

1. This survey conforms to the requirements of the General Instructions, except that the magnetic meridian was not determined, nor was the nature of the coast line or vegetation along the shore shown as directed in par. 165 of General Instructions.

2. The character and location of this survey satisfy the specific instructions.

3. The character and scope of the surveying are fair and the field drafting is excellent.

4. Reviewed by E. P. Ellis, June, 1921.

5. Two copies of this report to be sent to Division of Hydrography and Topography.
TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. ...3817...

State ............... S.W. Alaska

General locality .... Kukiuta Bay - Alaska Peninsula

Locality ............. Swatik Bay

Chief of party ...... F. H. Hardy

Surveyed by ......... E. F. Lewis

Date of survey ...... July 1920

Scale ............... 1:20,000

Heights in feet above mean sea level

Contour interval 100 . feet

Inked by E. F. Lewis. Lettered by E. F. Lewis

Records accompanying sheet (check those forwarded): Photographs, Descriptive report, Horizontal and Vertical Field Computations, Data from other sources affecting sheet Positio... triangulation stations from seasons triangulation records.

Remarks: