

3817

U. S. COAST AND GEODETIC SURVEY
L. &
JAN 14 1922

Acc. No.

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: *S. W. Alaska*

11-5613

DESCRIPTIVE REPORT.

Topo Sheet No. **3817**

LOCALITY:

Kunishka Bay - Alaska

Peninsula -

Suway Bay

1920

CHIEF OF PARTY:

F. H. Hardy

2100

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
E. F. Lewis

Jr. H. & G. Eng. Str. SURVEYOR

To the Director
Through F. H. Hardy
Commdg. Str. SURVEYOR

AND REFER TO NO. 4-~~MEM~~

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

SECTION OF FIELD RECORDS.

REPORT ON TOPOGRAPHIC SHEET No. 3817.

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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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 . Kuiuikta Bay - *Alaska Peninsula*
Locality . *Sweater Bay* ~~First Bay West of Cape Ikro~~
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-angle books, -Field-computations,~~
Data from other sources affecting sheet ~~positions of~~
triangulation stations from seasons triangulation records.

Remarks: