

2174a

Diag. Ch. No. - 8252-1

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Hydrographic*  
Field No. \_\_\_\_\_ Office No. *2174a*

LOCALITY

State *Alaska*  
General locality *Sitka*  
Locality *Harbor*

19*20*

CHIEF OF PARTY

*F. H. Hardy*

LIBRARY & ARCHIVES

DATE \_\_\_\_\_

2174a

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

**HYDROGRAPHIC TITLE SHEET**

The finished Hydrographic 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. 2174<sup>a</sup>

State **Alaska** . . . . .

General locality **Southeast Alaska** . . . . .

Locality **Sitka Harbor** . . . . .

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

Surveyed by **P. V. Lane** . . . . .

Date of survey **October 28-29, 1919** . . . . .

Scale **1-5000** . . . . .

Soundings in **Feet** . . . . .

Plane of reference **Mean Lower low water** . . . . .

Protracted by **E. M. W.** . . . . Soundings in pencil by **E. M. W.** . . . .

Inked by . . . . . Verified by . . . . .

Records accompanying sheet (check those forwarded):

Des. report, \_\_\_\_\_ Tide books, \_\_\_\_\_ Marigrams, \_\_\_\_\_ Boat sheets,

\_\_\_\_\_ Sounding books, \_\_\_\_\_ Wire-drag books, \_\_\_\_\_ Photographs.

Data from other sources affecting sheet . . . . .

Remarks:

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic 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. 21749

State . . . Alaska . . . . .

General locality . . W. Coast Baranof Island . . . . .

Locality . . . . Sitka Harbor . . . . .

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

Surveyed by . . . A. M. Sobieralski . . . . .

Date of survey . . October 9, 1920 . . . . .

Scale . . . . . 1-5,000 . . . . .

Soundings in . . . Feet . . . . .

Plane of reference . M. L. L. W. . . . . .

Protracted by . . A. M. S. Soundings in pencil by A. M. S. . .

Inked by . . . . . Verified by . . . . .

Records accompanying sheet (check those forwarded):

Des. report,  ~~Tide~~ books,  ~~Meri~~grams,  ~~Boat~~ sheets,

~~Sounding~~ books,  ~~Wire~~ drag books,  ~~Photographs~~.

Data from other sources affecting sheet . . . . .

Remarks: Only a few detached soundings plotted on sheet

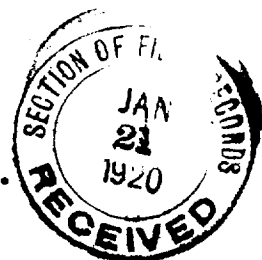
ADDRESS THE SUPERINTENDENT  
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 41-EMK

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
WASHINGTON

January 20, 1920.

FIELD RECORDS (C)



Division of Hydrography and Topography:

Division of Charts:

Tidal reductions are approved in  
1 volume of sounding record for

HYDROGRAPHY SHEET 2174a

Sitka Harbor, S.E. Alaska  
F. H. Hardy in 1919

Plane of reference is  
Mean lower low water, reading

0.1 ft. on tide staff at Navy Dock, Sitka.

Conditions of record, very satisfactory.

*E. Wade*

Chief, Section of Tides  
and Currents.

DIRECTOR  
ADDRESS THE SUPERINTENDENT  
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 41/VTB

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

November 30, 1920.



Division of Hydrography and Topography:

Division of Charts:

Tidal reductions are approved in  
1 volume of sounding records for

HYDROGRAPHIC SHEET ~~4146~~  
2174<sup>a</sup>

Sitka Harbor, Alaska.

Note: No plane of reference used.  
Tide reducers obtained by plotting predicted  
heights of high and low waters for Sitka,  
Alaska, for October 9, 1920.

Condition of records, - satisfactory.

*H. Hammer*

Acting Chief, Section of Tides and Currents.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

November 5, 1923.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 2174<sup>a</sup>

Sitka, Alaska

Surveyed in 1920

Chief of Party, F. H. Hardy.

Surveyed by A. M. Sobieralski.

Protracted and soundings plotted by field party.

Verified and inked by J. D. Torrey.

1. This survey was executed in accordance with telegraphic instructions dated October 2, 1920.
2. The records conform to the requirements of the General Instructions.
3. The plan and extent of development satisfy the specific instructions.
4. The field plotting was completed to the extent prescribed by the General Instructions.
5. All the hydrography by P. V. Lane in 1919 is shown on sheet 2174<sup>a</sup> in blue, and the 1919 sheet destroyed by order of the office, as it was no longer of value.
6. No further surveying is required to develop the details shown on this sheet.
7. Considering the time spent on this work and the purpose for which it was made, this survey may be considered excellent.
8. Reviewed by E. P. Ellis, November, 1923.

H-2174a

Descriptive Report  
to accompany  
Hydrographic Sheet No.  
Sitka Harbor  
scale 1-5,000

The instructions for this work called only for the position of Indian Rock and the rock off Sitka Packing Co's Wharf; hence no development was done, only detached soundings being taken. No tide staff was established, so the reductions for tide were taken from the tide tables.

Indian Rock was marked by a nun bouy, but I do not believe it is maintained by the Lighthouse Service, for it was used for a mooring by a small launch. The position of Indian Rock, determined by sextant angles, plots slightly to the northward of the position shown on the chart. The angles were taken while the boat was stationary. Indian Rock can be seen at low water.

The rock off the Sitka Packing Co's Wharf could not be seen, but after feeling about for some time, the least water found was 16 ft. which reduces to 13.8 ft. at M.L.L.W. Several other soundings ranging from 14 to 18 ft. were taken in the vicinity but they plot very close together.

Forwarded:

*J. St. Steady*  
H. & G. E., U. S. C. & G. Survey.

*A. M. Sobieralski*

A. M. Sobieralski  
Hydrographic and Geodetic Engr  
U. S. SURVEYOR

To:

The Director  
Coast and Geodetic Survey  
Washington D. C.

AND REFER TO NO. 4-VEC

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
WASHINGTON

September 28, 1920.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 2174<sup>a</sup>.                      Surveyed in 1919  
Chief of Party: F. H. Hardy.                                      Surveyed by P. V. Lane  
Protracted and soundings plotted by:                      E. M. Wilbur  
Verified and inked by:    John D. Torrey

1. The records are not in accordance with requirements of General Instructions. No data are given regarding the personnel of the sounding party. No descriptive report was submitted, and the memorandum sent on March 24, 1920 in response to telegraphic request, fails to supply the necessary information to locate several of the rocks and the area covered by the drag.
2. The plan and character of the work are not in accordance with General Instructions. None of the rocks are located by 3 point fixes. The record of the drag work fails to give the usual information by which the drag could be located. No boat sheet was submitted showing the area dragged and the area covered is not known. The position of the 17 foot rock discovered by the drag is merely guessed at. The soundings taken on the faces of the docks are of little value, as they should have been a keel's distance from the dock.
3. The instructions of September 12, 1919 were that "the least depth on, and extent of obstructions in vicinity of the wharves of the Pyramid Packing Co. and the Seattle Packing Co. be determined." No mention is made in the records of the two charted rocks, which are the principal known obstructions. The uncertain locations of the rocks that were discovered and the impossibility of locating the area dragged makes it evident that the instructions were not complied with.

*E. P. Ellis*