

4327

Diag. Cht. No. 8252-1

4327

Form 501 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY
State: S.E. Alaska <small>11-5413</small>
DESCRIPTIVE REPORT. Hydro. Sheet No. 4327
LOCALITY: Baranof Island Port Armstrong Fertilizer Plant Port Armstrong
1923
CHIEF OF PARTY: T. J. Maher

DESCRIPTIVE REPORT

to accompany

Sheet of HYDROGRAPHY and TOPOGRAPHY at PORT ARMSTRONG,
Baranof Island, Southeastern Alaska, 1923.

This sheet owes its being to an attempt to locate, or determine the existence of, a rock which had been reported to lie somewhere off the dock at Port Armstrong. The orders to the officer doing this work were verbal, and to the above effect. The officer was to determine enough points by plane table to support the position of the rock, if found.

Inquiry of parties resident at Port Armstrong revealed they were unaware of the existence of such a rock; the soundings taken were similarly unfruitful.

But one set-up of the plane table was made; the topography shown was what could be observed from the dock. The three buildings on the line between Signal Gab and Signal Shed are not more than approximately located.

Soundings were taken from a whale-boat, with the hand lead, the boat stopped for each sounding. A swift non tidal current flows out of the creek North of the dock.

Respectfully submitted

A. W. Skilling
A. W. Skilling
Jr. H. & G. E.

Report on Inking and Verifying H. 4327

The plotting and protracting were excellent and the sheet in good condition.

Up to position 55 soundings were inked as customary without allowance for distance between leadsmen and observers. But after that it was decided that due to the large scale of the sheet (1:1,000) some allowance should be made and the soundings were inked a few meters beyond the observed position. As no definite distance of this difference of position between leadsmen and observers is at hand, those soundings from pos. 1 to 55 were not changed. They are probably accurate enough for even the largest scale harbor chart that may be published.

Frank M. Albert Draftsman,
Section of Field Records.

April 26, 1924

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON April 30, 1924.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4327

Port Armstrong, Baranof I., Alaska

Surveyed in 1923

Contains both hydrography and topography

Instructions dated February 15, 1923

Chief of Party, T. J. Maher.

Surveyed by A. W. Skilling.

Protracted and soundings plotted by A. W. Skilling.

Verified and inked by F. M. Albert.

1. The records conform to the requirements of the General Instructions.
2. The plan and character of the survey conform to the requirements of the General Instructions except that it is not based upon triangulation. Owing to the large scale of the survey and the small area covered, the lack of triangulation does not sensibly reduce the accuracy of the work. The sheet was not accompanied by any information by which the cartographer could properly place it on the chart. Its approximate position is shown on the chart diagram from verbal information furnished by Capt. Maher.
3. The plan and extent of the survey satisfy the specific instructions.
4. The sounding line crossings are adequate.
5. The field plotting was completed to the extent prescribed in the General Instructions and none of it had to be done over in the office.
6. No further surveying is required within the limits of the sheet, except in the bight in the northeastern part of the port. No indications of rocks or other hidden dangers were found.
7. The character and scope of the surveying and field drafting are excellent.
8. Reviewed by E. P. Ellis, April, 1924.

*When is it
BT*

March 31, 1924.

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
1 volumes of sounding records for

HYDROGRAPHIC SHEET 4327

Locality: Port Armstrong, S. E. Alaska.

Chief of Party: T. H. Maher in 1923

Plane of reference is mean lower low water reading

6.8 ft. on ~~Wixakoff~~ at North Port Walter
auto.gauge

For reduction of soundings, condition of records satisfactory
except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.



Chief, Division of Tides and Currents.

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. 4327

State . . . S. E. Alaska

General locality . Baranof Island

Locality . Port Armstrong Fertilizer Plant - Port Armstrong

Chief of party . Thos, J. Maher

Surveyed by . . . A. W. Skilling

Date of survey . October 12, 1923

Scale 1:1000

Soundings in . fathoms

Plane of reference . MLLW

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

Inked by . . F.M. Albert . Verified by . F.M.A.

Records accompanying sheet (check those forwarded):

Des. report, _____ Tide books, _____ Marigrams, 1 Boat sheets,

1 Sounding books, _____ Wire-drag books, _____ Photographs.

Data from other sources affecting sheet

Remarks: